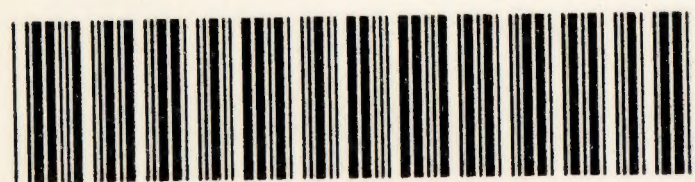







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Bulletin 746

GEOLOGIC LITERATURE ON NORTH AMERICA  
1785-1918

BY  
JOHN M. NICKLES

PART I. BIBLIOGRAPHY



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1922



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CONTENTS.

	Page.
Introduction .....	1
List of abbreviations .....	3
Serials .....	5
Bibliography .....	23

II



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1901



# GEOLOGIC LITERATURE ON NORTH AMERICA, 1785-1918.

By JOHN M. NICKLES.

## PART I. BIBLIOGRAPHY.

### INTRODUCTION.

The bibliography forming Part I of this compilation includes papers relating to the geology, paleontology, petrology, and mineralogy of North America—specifically, the United States, the Dominion of Canada and Newfoundland, the Arctic regions north of the continent, Greenland, Mexico, Central America, Panama, and the West Indies, including Trinidad—and also the Hawaiian Islands. Geographic and descriptive writings and accounts of travels with incidental mention of geologic facts are not included. Textbooks published in America and works general in character by American authors are given, but general papers by foreign writers are excluded unless they have appeared in American publications. Papers by American writers on the geology of other parts of the world are not listed.

The papers of each author are listed in chronologic order by years with no definite order of arrangement in a year. For reference from Part II, the index (Bulletin 747), the last two figures of the year of publication, with a letter added if there is more than one paper in the year, have been used as a number placed in black-faced type before a title. The date on the title page of a publication has been accepted as the date of issue unless it is known to be grossly erroneous; in that case the real date has been added in brackets. In references to publications appearing in parts the date of the part cited has been used if it is given. If no date appears on a publication, the year of issue has been supplied and placed in brackets at the end of the citation; for a few publications, even the approximate year of issue could not be ascertained.

This compilation is in the main a cumulation of the series of bibliographies of North American geology issued by the United States Geological Survey as Bulletins 44 (1886), 75 (1887-89), 91 (1890), 99 (1891), included in 127 (1732-1891); 130, 135, 146, 149, 156, 162,



and 172, cumulated in 188 and 189 (1892-1900); 203, 221, 240, and 271, cumulated in 301 (1901-1905); and 372 (1906-07), 409 (1908), 444 (1909), 495 (1910), 524 (1911), 545 (1912), 584 (1913), 617 (1914), 645 (1915), 665 (1916), 684 (1917), and 698 (1918), not previously cumulated. Many titles not found in these bulletins have been added as a result of the examination of the bibliographies on particular subjects issued by the Survey and many other special bibliographies and from other sources. It is hoped that little of importance has been overlooked.

The magnitude of the work has compelled the elimination of all but the title of the paper, from which unimportant parts have been omitted, and the citation, which has been greatly abbreviated. In the citation of serials a colon immediately follows the number of the volume and is immediately followed by the figures for the inclusive pages. If the volume is in a numbered series other than the first, this number is in parentheses immediately before the volume number. The year of publication is placed in parentheses at the end of the citation. Between the pages and the date "il" means figures of fossils and "map" that a geologic map forms part of the paper or accompanies it. For independent publications the number of pages, the place of publication and date, not in parentheses, are given. An explanation of the abbreviations used follows.



## LIST OF ABBREVIATIONS.

Abh.....	Abhandlungen	Eng.....	engineering
abst.....	abstract	Ex.....	executive
Ac.....	academy	Exp Sta...	experiment station
Agr.....	agriculture, etc.	Extr.....	extract
Ak.....	Akademie	Fla.....	Florida
Ala.....	Alabama	G.....	geology, etc.
Alta.....	Alberta	G S.....	geological survey
Am.....	America, etc.	g s.....	geological series
An.....	annals, annual, etc.	Ga.....	Georgia
Anz.....	Anzeiger	Geog.....	geography, etc.
App.....	appendix	Ges.....	Gesellschaft
Ariz.....	Arizona	H Ex Doc.	House executive document
Ark.....	Arkansas	Hdbk.....	handbook
As.....	association	Hist.....	history
B.....	bulletin, boletín, etc.	I.....	institute, institution
B C.....	British Columbia	l.....	illustrated with figures of fossils
Bd.....	board	Ill.....	Illinois
Beitr.....	Beiträge	Inaug.....	inaugural
Ber.....	Berichte	Ind.....	Indiana
Bien.....	biennial	Ind T.....	Indian Territory
Bot.....	botany, etc.	Inst.....	institute, institution
Br.....	branch	Int.....	international
Brit.....	British	J.....	journal, etc.
Bur.....	bureau	Jb.....	Jahrbuch
c.....	copyright	Jber.....	Jahresbericht
C R.....	compte rendu	Jg.....	Jahrgang
Cal.....	California	K.....	kaiserlich, königlich, etc.
Can.....	Canada; Canadian	Kans.....	Kansas
Centr.....	Centralblatt	Ky.....	Kentucky
Cin.....	Cincinnati	L.....	London
Co.....	county	La.....	Louisiana
Col.....	collection	M.....	mining; mineral
Coll.....	college	Mag.....	magazine
Colo.....	Colorado	Manit.....	Manitoba
Cong.....	congress	Mass.....	Massachusetts
Conn.....	Connecticut	Mber.....	Monatsberichte
cos.....	counties	Md.....	Maryland
Contr.....	contributions	Me.....	Maine
D C.....	District of Columbia	Mem.....	memoirs
Del.....	Delaware	Mex.....	Mexico
Deut.....	deutsch, etc.	Mich.....	Michigan
Diss.....	dissertation	Min.....	mineral
Dp.....	department	Miner.....	mineralogy, etc.
Doc.....	document, etc.	Minn.....	Minnesota
Ed.....	edition, editor, etc.	Miss.....	Mississippi



Mitt.....	Mitteilungen	Q.....	quarterly
Mo.....	Missouri; monthly	Que.....	Quebec
Mon.....	monograph	R.....	royal.
Mont.....	Montana	R I.....	Rhode Island.
Mus.....	museum	rev ed.....	revised edition.
N.....	new; north; etc.	Rp.....	report.
N B.....	New Brunswick	Rv.....	review, revista, etc.
N C.....	North Carolina	s.....	series
n d.....	no date of publication given	S.....	Senate; south
N Dak.....	North Dakota	S C.....	South Carolina
N H.....	New Hampshire; natural history	S Dak.....	South Dakota
N J.....	New Jersey	Sask.....	Saskatchewan
N Mex.....	New Mexico	Sc.....	science, scientific, etc.
n p.....	no place of publication given; nouvelle période	sc s.....	science series
N S.....	Nova Scotia	Sch.....	school
n s.....	new series	sec.....	section
N Sc.....	natural science	sess.....	session
N W Ter..	Northwest Territories	St.....	Saint; State
N Y.....	New York	St L.....	St. Louis
Nat.....	national; naturalist	Szb.....	Sitzungsberichte
Nebr.....	Nebraska	Tech.....	technology, etc.
Nev.....	Nevada	Tenn.....	Tennessee
Newf.....	Newfoundland	Tex.....	Texas
Oc P.....	occasional papers	Tr.....	transactions
Okla.....	Oklahoma	Transl.....	translated, etc.
Ont.....	Ontario	U S.....	United States
Oreg.....	Oregon	Univ.....	university
P.....	papers	v.....	volume
P E I.....	Prince Edward Island	Va.....	Virginia
P P.....	professional paper	Ver.....	Verein
Pa.....	Pennsylvania	Verh.....	Verhandlungen
Phila.....	Philadelphia	Vt.....	Vermont
pls.....	plates	vol.....	volume
port.....	portrait	W I.....	West Indies
pp.....	pages	W Va.....	West Virginia
Pr.....	proceedings	Wash.....	Washington
priv pr....	privately printed	Wis.....	Wisconsin
priv pub..	private publication	Wyo.....	Wyoming
pt.....	part	Y Bk.....	yearbook
Pub.....	publications	Zool.....	zoology, etc.
		Zs.....	Zeitschrift
		Ztg.....	Zeitung



## SERIALS.

[The abbreviation used in the citation is printed in black-faced type.]

- Ac Cienc Méd Habana, An** Academia de ciencias médicas, físicas y naturales de la Habana [Cuba], Anales.
- Ac Gioenia Sc Nat Catania, B.** Accademia Gioenia de scienze naturali in Catania. Bollettino delle sedute.
- Ac Imp Lyon, Cl Sc, Mém** Académie impériale des sciences, belles-lettres, et arts de Lyon, Classe des sciences, Mémoires.
- Ac Mex Cienc, An** Academia mexicana de ciencias exactas, físicas, y naturales, Anuario. México, D. F.
- Ac N Sc Phila, J; Pr; Min G Sec, Pr** Academy of Natural Sciences of Philadelphia, Journal; Proceedings; Mineralogical and Geological Section, Proceedings.
- Ac R Sc Bruxelles, B** Académie royale des sciences . . . de Bruxelles, Bulletins.
- Ac Sc Kansas City, Tr** Academy of Science of Kansas City [Mo.], Transactions, vol. 1 (1898) [no more published]
- Ac Sc Paris, C R** Académie des sciences, Paris, Comptes rendus.
- Ac Sc Sioux City, Pr** Academy of Science and Letters of Sioux City, Iowa, Proceedings.
- Ac Sc St. L, Tr** Academy of Science of St. Louis, Transactions.
- Ala G S Alabama, Geological Survey of.** Montgomery and University.
- Ala Ind Sc Soc, Pr** Alabama Industrial and Scientific Society, Proceedings. University.
- Albany Inst, Pr; Tr** Albany [N. Y.] Institute, Proceedings; Transactions.
- Allgem Berg- u Hüttenm Ztg.** Allgemeine berg- und hüttenmännische Zeitung. Quedlinburg
- Alpina Americana;** published by the American Alpine Club, Philadelphia.
- Alpine J** Alpine Journal. London.
- Am Ac Arts, Pr; Mem** American Academy of Arts and Sciences, Proceedings; Memoirs. Boston.
- Am As, Pr; Mem** American Association for the Advancement of Science, Proceedings; Memoirs.
- Am As Museums, Pr** American Association of Museums, Proceedings.
- Am As Petroleum G, B** American Association of Petroleum Geologists, Bulletin.
- Am Bur Geog, B** American Bureau of Geography, Bulletin. Winona, Wis.
- Am Chem Soc, J** American Chemical Society, Journal. New York.
- Am G** American Geologist. Minneapolis.
- Am G As, B** American Geological Association, Bulletin. Athens, Tenn.
- Am Geog Soc, B; J** American Geographical Society of New York, Bulletin; Journal.
- Am Geog Stat Soc, J** American Geographical and Statistical Society, Journal. New York.
- Am I M Eng, Tr; B** American Institute of Mining Engineers, Transactions; Bulletin. New York.
- Am J Agr** American Journal of Agriculture and Science. Albany, N. Y.
- Am J Conch** American Journal of Conchology. Philadelphia.
- Am J Sc** American Journal of Science. New Haven, Conn.
- Am M Cong** American Mining Congress. See also International Mining Congress.
- Am Meteorological J** American Meteorological Journal Ann Arbor, Mich.



- Am Micro Soc, Pr** American Microscopical Society, Proceedings.
- Am Miner J** American Mineralogical Journal (Bruce), vol. 1, 1814 [no more published]. New York.
- Am Mineralogist** American Mineralogist. Philadelphia and Lancaster, Pa.
- Am Mo Mag** American Monthly Magazine. New York.
- Am Mus J** American Museum Journal (American Museum of Natural History).
- Am Mus N H, B; Mem** American Museum of Natural History, Bulletin; Memoirs. New York.
- Am Nat** American Naturalist. Salem, Mass., and elsewhere.
- Am Ph Soc, Tr; Pr** American Philosophical Society, Transactions; Proceedings. Philadelphia.
- Am Q J Agr** American Quarterly Journal of Agriculture and Science (later American Journal of Agriculture and Science). Albany, New York.
- Am Q Micro J** American Quarterly Microscopical Journal. New York.
- Am Scenic and Historic Preservation Soc, An Rp** American Scenic and Historic Preservation Society, Annual Report. Albany, N. Y.
- Am Soc Civil Eng, Tr** American Society of Civil Engineers, Transactions. New York.
- An Bot** Annals of Botany. London.
- An G Paléont** Annales de géologie et de paléontologie. Palermo, Italy.
- An Géog** Annales de géographie. Paris.
- An Iowa** Annals of Iowa. Iowa City.
- An M Belgique** Annales des mines de Belgique. Bruxelles.
- An Mag N H** Annals and Magazine of Natural History. London.
- An Mex Cienc** Anales mexicanos de ciencias . . . México, D. F.
- An Mines** Annales des mines. Paris.
- An Paléont** Annales de paléontologie. Paris.
- An Physik** Annalen der Physik und Chemie (J. C. Poggendorff). Leipzig.
- An Sc, Cleveland** Annals of Science, Cleveland, Ohio.
- An Sc Géol** Annales des sciences géologiques. Paris.
- An Sc Nat, Zool** Annales des sciences naturelles, Zoologie. Paris.
- An Trav Pub Belgique** Annales des travaux publics de Belgique. Bruxelles.
- Anat Anz** Anatomischer Anzeiger. Jena.
- Appalachia.** Boston.
- Applied Sc** Applied Science. Toronto, Ont.
- Arch Anat, Phys, wiss Med** Archiv für Anatomie, Physiologie, und wissenschaftliche Medicin. Berlin.
- Arch Bergbau** Archiv für Bergbau und Hüttenwesen (Karsten). Berlin.
- Arch Miner** Archiv für Mineralogie, Geognosie, Bergbau und Hüttenkunde (Karsten; Dechen). Berlin.
- Arch Naturg** Archiv für Naturgeschichte (Wiegmann). Berlin.
- Arch Sc Phys Nat** Archives des sciences physiques et naturelles (Bibliothèque universelle de Genève). Geneva.
- Archives of Science Orleans Co [Vt]**
- Soc N Sc, Tr** Archives of Science and Orleans County [Vt.] Society of Natural Sciences, Transactions. Newport, Vt.
- Ariz St Bur Mines, B** Arizona State Bureau of Mines, Bulletin. Tucson.
- Ark G S** Arkansas, Geological Survey of. Little Rock.
- As Am G, Rp** Association of American Geologists and Naturalists, Reports.
- As Am Geog, An** Association of American Geographers, Annals.
- As Eng Soc, J** Association of Engineering Societies, Journal. Philadelphia.
- As Franç, C R** Association française pour l'avancement des sciences, Compte Rendu. Paris.
- Astron Soc Pacific, Pub** Astronomical Society of the Pacific, Publications. San Francisco.



- Augustana Libr Pub** Augustana Library Publications. Rock Island, Ill.
- Australasian As, Rp** Australasian Association for the Advancement of Science, Reports. Sydney.
- B Am Pal** Bulletins of American Paleontology. Ithaca, N. Y.
- B C Bur Mines, An Rp; B; B C Minister Mines, An Rp** British Columbia Bureau of Mines, Annual Report; Bulletin; British Columbia Minister of Mines, Annual Report.
- B Sc Nat** Bulletin des sciences naturelles et de géologie (Férussac). Paris.
- Baltimore Med Phil Lyc** Baltimore [Md.] Medical and Philosophical Lyceum.
- Beitr Geoph** Beiträge zur Geophysik. Leipzig.
- Berg- u Hüttenm Ztg** Berg- und hüttenmännische Zeitung. Leipzig.
- Berkshire Hist Sc Soc, Four papers of** Berkshire Historical and Scientific Society. Pittsfield, Mass.
- Bernice Pauahi Bishop Mus, Oc P** Bernice Pauahi Bishop Museum, Occasional Papers. Honolulu, H. I.
- Biol B** Biological Bulletin. Boston.
- Biol Centralbl** Biologisches Centralblatt. Erlangen.
- Biol Soc Wash, Pr** Biological Society of Washington, D. C., Proceedings.
- Birmingham Ph Soc, Pr** Birmingham [England] Philosophical Society, Proceedings.
- Bol Agr** Boletín de agricultura, minería é industrias. México, D. F.
- Bol Minero** Boletín minero. Órgano del Departamento de minas de la Dirección de minas y petróleo. México, Secretaría de fomento, colonización é industria, México, D. F.
- Bol Petróleo** Boletín del petróleo. México, D. F.
- Boston J N H** Boston Journal of Natural History.
- Boston J Ph** Boston Journal of Philosophy and the Arts.
- Boston Soc N H, Pr; Oc P; Mem; Anniv Mem** Boston Society of Natural History, Proceedings; Occasional Papers; Memoirs; Anniversary Memoirs.
- Bot Gaz** Botanical Gazette. Chicago.
- Brit As, Rp** British Association for the Advancement of Science, Report. London.
- Brookville Soc N H, B** Brookville [Ind.] Society of Natural History, Bulletin.
- Buffalo Soc N Sc, B** Buffalo [N. Y.] Society of Natural Sciences, Bulletin.
- Bur Am Ethnology, B** Bureau of American Ethnology, Bulletin. Washington, D. C.
- Cal Ac Sc; Pr; Oc P; Mem** California Academy of Sciences; Proceedings; Occasional Papers; Memoirs. San Francisco.
- Cal J Tech** California Journal of Technology. Berkeley, Cal.
- Cal Phys Geog Club, B** California Physical Geography Club, Bulletin. Berkeley, Cal.
- Cal St M Bur, An Rp; B** California State Mining Bureau, Annual Report; Bulletin. San Francisco.
- [Cal] Univ Chronicle** [California, University of] University Chronicle. Berkeley, Cal.
- Cal, Univ, Dp G, B** California, University of, Publications, Department of Geology, Bulletin. Berkeley, Cal.
- Cal, Univ, Pub Geog** California, University of, Publications in Geography.
- Cal, Univ, Seism Sta, B** California, University of, Publications, Seismographic Stations, Bulletin.
- Cambridge Ph Soc, Pr** Cambridge [England] Philosophical Society, Proceedings.
- Can Alpine J** Canadian Alpine Journal. Banff, Alta.
- Can, Dp Interior, Rp** Chief Astronomer Canada, Department of the Interior, Report of the Chief Astronomer, Ottawa.



- Can Dp Interior, Sup Mines, Rp** Canada, Department of the Interior, Superintendent of Mines, Report.
- Can Entomologist** Canadian Entomologist. London, Ont.
- Can G S; An Rp; Sum Rp; Mem; Mus B; Victoria Mem Mus, B** Canada, Geological Survey; Annual Report; Summary Report; Memoirs; Museum Bulletin; Victoria Memorial Museum, Bulletin.
- Can Inst, Pr** Canadian Institute Proceedings. Toronto.
- Can J** Canadian Journal. Toronto.
- Can M Inst, B; Q B; J** Canadian Mining Institute, Monthly Bulletin; Quarterly Bulletin; Journal. Montreal.
- Can M J** Canadian Mining Journal. Toronto and Montreal.
- Can M Rv** Canadian Mining Review. Ottawa.
- Can, Mines Br, Sum Rp** Canada, Department of Mines, Mines Branch, Summary Report. Ottawa, Ont.
- Can Nat** Canadian Naturalist and Geologist and Proceedings of the Natural History Society of Montreal.
- Can Peat Soc, B** Canadian Peat Society, Bulletin. Ottawa.
- Can Rec N H** Canadian Record of Natural History and Geology. Montreal.
- Can Rec Sc** Canadian Record of Science. Montreal.
- Can Sc Mo** Canadian Science Monthly. Kentville, N. S.
- Canal Record.** Ancon, Canal Zone, Panama.
- Carnegie Inst Wash, Y Bk; Pub** Carnegie Institution of Washington [D. C.], Year Book; Publications.
- Carnegie Mus, An; Mem** Carnegie Museum, Annals; Memoirs. Pittsburgh, Pa.
- Cassier's Mag** Cassier's Magazine. New York.
- Central Ohio Sc As, Pr** Central Ohio Scientific Association of Urbana, Ohio; Proceedings.
- Centralbl Miner** Centralblatt für Mineralogie, Geologie, und Paläontologie. Stuttgart.
- Century Mag** Century Illustrated Monthly Magazine. New York.
- Ch News** Chemical News, London.
- Chicago Ac Sc; B; Sp Pub; Pr; G N H S, B; N H S, B** Chicago Academy of Sciences; Bulletin; Special Publication; Proceedings. Geological and Natural History Survey, Bulletin; later Natural History Survey, Bulletin.
- Chicago, Univ. Dec Pub; Walker Mus, Contr** Chicago, University of, Decennial Publications; Walker Museum, Contributions.
- Cin Q J Sc** Cincinnati Quarterly Journal of Science, edited by S. A. Miller.
- Cin Soc N H, J** Cincinnati Society of Natural History, Journal.
- Cleveland Ac, Pr** Cleveland Academy of Natural Science, Proceedings.
- Coal Age.** New York.
- Colliery Eng** Colliery Engineer. Scranton, Pa.
- Colo Bur Mines, Rp** Colorado Bureau of Mines, Report.
- Colo Coll Pub, sc s; Colo Coll Studies** Colorado College Publications, science series; Colorado College Studies. Colorado Springs.
- Colo G S, B; Rp** Colorado Geological Survey, Bulletin; Report. Denver.
- Colo Sch Mines, An Rp; Bien Rp; B; Mag; Q** Colorado School of Mines, Annual Report; Biennial Report; Bulletin; Magazine; Quarterly. Golden.
- Colo Sc Soc, Pr** Colorado Scientific Society, Proceedings. Denver.
- Colo St Bur Mines, Rp** Colorado State Bureau of Mines, Report. Denver.
- Colo, Univ, Studies** Colorado, University of, Studies. Boulder.
- Cong Arts and Sc (St. Louis, 1904)** Congress of Arts and Science (St. Louis, 1904).
- Conn Ac, Tr; Mem** Connecticut Academy of Arts and Sciences, Transactions; Memoirs. New Haven.
- Conn G S, B** Connecticut Geological Survey, Bulletin. Hartford.



- Contr Sc Contributions to Science.** Charles City, Iowa.
- Copenhagen, Univ, Miner G Mus, Contr Miner** Copenhagen, University, Mineralogical and Geological Museum, Contributions to Mineralogy.
- Cosmos.** Paris.
- Costa Rica, B Fomento** Costa Rica, Boletín de fomento. San José.
- Costa Rica, Centro de Estudios Sismológicos, An** Costa Rica, Centro de estudios sismológicos, Anales. San José.
- Cuba, Dir Montes, B Minas** Cuba, Dirección de montes y minas, Boletín de minas. Habana.
- Dansk G Forening, Medd Dansk Geologisk Forening, Meddelelser.** København.
- Davenport Ac Sc, Pr Davenport** [Iowa] Academy of Natural Sciences, Proceedings. Later Davenport Academy of Sciences.
- Delaware Co Inst Sc, Pr Delaware** County Institute of Science, Proceedings. Media, Pa.
- Denison Univ, Sc Lab, B Denison** University, Scientific Laboratories, Bulletin. Granville, Ohio.
- Deut G Ges, Zs; Monatsb Deutsche geologische Gesellschaft, Zeitschrift; Monatsberichte.** Berlin.
- Deut Geog Blätter** Deutsche geographische Blätter. Herausgegeben von der Geographischen Gesellschaft in Bremen.
- Deut Oesterr Alpen-Ver, Zs** Deutscher und oesterreichischer Alpen-Verein, Zeitschrift. München [etc.].
- Deut Rundschau** Deutsche Rundschau. Berlin.
- Drury Coll, Bradley G Field Sta, B** Drury College, Bradley Geological Field Station, Bulletin. Springfield, Mo.
- Dublin Q J Sc** Dublin Quarterly Journal of Science.
- Durham, Univ, Ph Soc, Pr** Durham, University of, Philosophical Society, Proceedings.
- E. M. Mus G Coll N J, Contr** E. M. Museum of Geology and Archaeology of the College of New Jersey, Contributions. Princeton, N. J.
- Ec G** Economic Geology. Lancaster, Pa.
- Edinb G Soc, Tr** Edinburgh Geological Society, Transactions.
- Edinb N Ph J; Edinb Ph J** Edinburgh New Philosophical Journal. Preceded by Edinburgh Philosophical Journal.
- Elisha Mitchell Sc Soc, J** Elisha Mitchell Scientific Society, Journal. Chapel Hill, N. C.
- Elliott Soc N H Charleston, Pr** Elliott Society of Natural History of Charleston [S. C.], Proceedings.
- Eng As South, Tr** Engineering Association of the South, Transactions. Nashville, Tenn.
- Eng Club Phila, Pr.** Engineers' Club of Philadelphia, Proceedings.
- Eng M J** Engineering and Mining Journal. New York.
- Eng Mag** Engineering Magazine. New York.
- Eng Soc W Pa, Pr** Engineers' Society of Western Pennsylvania, Proceedings. Pittsburgh.
- Eng Soc York, Pr** Engineering Society of York [Pa.], Proceedings.
- Entom News** Entomological News. Philadelphia.
- España, Com Mapa G, B** España, Comisión del mapa geológico, Boletín. Madrid.
- Essex Co N H Soc, J** Essex County Natural History Society, Journal. Salem, Mass.
- Essex Inst, B; Pr** Essex Institute, Bulletin; Proceedings. Salem, Mass.
- Fed Can M Inst, J** Federated Canadian Mining Institute (later, Canadian Mining Institute), Journal.
- Fed Inst M Eng, Tr** Federated Institution of Mining Engineers, Transactions. Newcastle-upon-Tyne.
- Field (Col) Mus, Pub, g s; zool s** Field Columbian Museum (later, Field Museum), Publication, geological series; zoological series. Chicago.



- Fla G S, An Rp** Florida Geological Survey, Annual Report. Tallahassee.
- Forum, The.** New York.
- [France], Comm Sc Mex, Arch** [France], Commission scientifique du Mexique, Archives. (Archives de la Commission scientifique du Mexique, publiées sous les auspices du Ministère de l'instruction publique), 3 vols., Paris, 1865-67.
- Frankfurter Ver Geog, Jber** Frankfurter Verein für Geographie und Statistik, Jahresbericht. Frankfurt-on-the-Main.
- Franklin Inst, J** Franklin Institute, Journal. Philadelphia, Pa.
- Freunde Naturw, Ber (Haidinger)** Freunde der Naturwissenschaften in Wien, Berichte über die Mittheilungen (W. Haidinger).
- G As London, Pr** Geologists' Association, London, Proceedings.
- G Fören Stockholm, Förh** Geologiska Föreningens i Stockholm, Förhandlingar.
- G M Soc Am Univ, Y Bk** Geological and Mining Society of American Universities, Year Book and Directory. Stanford University, Cal.
- G Mag** Geological Magazine. London.
- G Pa** Geology of Pennsylvania, by H. D. Rogers, 2 vols, maps. Philadelphia, 1858.
- G Pal Abh** Geologische und paleontologische Abhandlungen. Jena.
- G Reichs-Mus Leiden, Samm** Geologische Reichs-Museum in Leiden, Sammlungen.
- G Rundschau** Geologische Rundschau. Leipzig.
- G Sc B** Geological and Scientific Bulletin. Published by the Texas State Geological and Scientific Association. Vol. 1, 1888-89. Houston, Texas.
- G Soc Am, B** Geological Society of America, Bulletin. Rochester, N. Y., and elsewhere.
- G Soc Dublin, J** Geological Society of Dublin, Journal.
- G Soc Glas, Tr** Geological Society of Glasgow, Transactions.
- G Soc London, Tr; Pr; Q J** Geological Society of London, Transactions; Proceedings; Quarterly Journal.
- G Soc Pa, Tr** Geological Society of Pennsylvania, Transactions, vol. 1 (1835) [no more published]. Philadelphia.
- G Soc Tokyo, J** Geological Society of Tokyo [Japan], Journal.
- Ga G S, B** Georgia, Geological Survey, Bulletin. Atlanta.
- Gen M As Que, J.** General Mining Association of the Province of Quebec, Journal. Ottawa, Ont.
- Geog Ges Hamburg, Mitt** Geographische Gesellschaft in Hamburg, Mittheilungen.
- Geog Ges München, Jber** Geographische Gesellschaft in München, Jahresbericht.
- Geog J** Geographical Journal. London.
- Geog Soc Chicago, B** Geographic Society of Chicago, Bulletin.
- Geog Soc Phila, B** Geographical Society of Philadelphia, Bulletin.
- Geologist.** 2 vols., 1842, 1843, edited by Charles Maxon. London.
- Ges Erdk Berlin, Verh; Zs** Gesellschaft für Erdkunde zu Berlin, Verhandlungen; Zeitschrift.
- Ges Naturf Freunde Berlin, Szb** Gesellschaft naturforschender Freunde zu Berlin, Sitzungsberichte.
- Ges Naturw Marburg, Schrift** Gesellschaft zur Beförderung der gesamten Naturwissenschaften zu Marburg, Schriften.
- Hamilton As, J Pr; Hamilton Sc As, J Pr** Hamilton [Ont.] Association (later Hamilton Scientific Association), Journal and Proceedings.
- Harper's Mag** Harper's New Monthly Magazine New York.
- Harvard Coll, Mus C Z, B; An Rp; Mem** Harvard College, Museum of Comparative Zoology, Bulletin; Annual Report; Memoirs. Cambridge, Mass.



- Harvard Univ B** Harvard University Bulletin. Cambridge, Mass.
- Hist Sc Soc Manit, Tr** Historical and Scientific Society of Manitoba, Transactions. Winnipeg.
- Hist Soc Mont, Contr** Historical Society of Montana, Contributions. Helena.
- Ill Ac Sc, Tr** Illinois Academy of Science, Transactions.
- Ill Coal M Investigations, B** Illinois Coal Mining Investigations, Cooperative Agreement, Bulletin. Urbana, Ill.
- Ill G S, B** Illinois State Geological Survey, Bulletin. Urbana.
- Ill G S, Ec G** Illinois, Geological Survey of, Economical Geology (reprinted from vols. 1-6). Springfield.
- Ill N H Soc, Tr** Illinois Natural History Society, Transactions, vol. 1 (1861), second edition [no more published]. Springfield, Ill.
- Ill Soc Eng** Illinois Soc of Engineers and Surveyors, Report of annual meeting. Chicago.
- Ill St Ac Sc, Tr** Illinois State Academy of Science (later Illinois Academy of Science), Transactions.
- Ill St Lab N H, B** Illinois State laboratory of Natural History, Bulletin. Urbana, Ill.
- Ill St Mus N H, B** Illinois State Museum of Natural History, Bulletin, nos. 1-12. Springfield.
- Ill, Univ, B; Univ Studies.** Illinois, University of, Bulletin; University Studies. Urbana.
- Imp Earthquake Investigation Com, B** Imperial Earthquake Investigation Committee, Bulletin. Tokyo, Japan.
- Ind Ac Sc, Pr** Indiana Academy of Science, Proceedings. Indianapolis.
- Ind G S, An Rp; Ind, Dp Stat G, An Rp; Ind, Dp G N H, An Rp; Ind, Dp G N Res, An Rp** Indiana Geological Survey, 1st-8-9-10th Annual Reports, 1869-1879; Indiana, Department of Statistics and Geology, 1st and 2d Annual Reports; Indiana, Department of Geology and Natural History, 11th-16th Annual Reports; Indiana, Department of Geology and Natural Resources, 17th—, Annual Reports. Indianapolis.
- Inst Físico-geog Nac Costa Rica, An** Instituto físico-geográfico nacional de Costa Rica, Anales. San José.
- Inst M Eng, Tr** Institution of Mining Engineers, Transactions. Newcastle-upon-Tyne.
- Inst M Met, Tr** Institution of Mining and Metallurgy, Transactions. London.
- Inst Mex Minas Met, Inf** Instituto mexicano de minas y metalurgia, Informes y memorias. México, D. F.
- Inst Petroleum Tech, J** Institution of Petroleum Technologists, Journal. London.
- Int Cong Zool, Pr** International Congress of Zoology, Proceedings.
- Int G Cong, Guide Exc; C R; Rp; Guide Book** International Geological Congress, Guide des excursions; Comptes rendus; Report; Guide Book.
- Int Geog Cong, Rp; Verh** International Geographical Congress, Report; Verhandlungen.
- Int M Cong** International Mining Congress; later, American Mining Congress.
- Int Q** International Quarterly. New York.
- Int Rv** International Review. New York.
- Int Zool Cong** International Zoological Congress.
- Iowa Ac Sc, Pr** Iowa Academy of Sciences, Proceedings. Des Moines.
- Iowa G S** Iowa Geological Survey. Des Moines.
- Iowa Hist Rec** Iowa Historical Record. Iowa City.
- Iowa Institutions, B** Iowa State Institutions, Bulletin. Des Moines.
- Iowa Nat** Iowa Naturalist. Iowa City.
- Iowa, Univ, Lab N H, B** Iowa, State University, Laboratories of Natural History, Bulletin. Iowa City, Iowa.



- Iron Steel Inst, J** Iron and Steel Institute, Journal. London.
- Ist Bologna, R Ac Sc, Cl Sc Fis, Mem** Istituto di Bologna, Reale Accademia delle scienze, Classe di scienze fisiche, Memorie.
- Italia, R Comitato G, B** Italia, Real Comitato geologico, Bollettino. Rome.
- J Anat Phys** Journal of Anatomy and Physiology. London.
- J Bot** Journal of Botany. London.
- J Chem Phys** Journal für Chemie und Physik (Schweigger). Halle
- J G** Journal of Geology. Chicago, Ill.
- J Geog** Journal of Geography. Lancaster, Pa. and elsewhere.
- J Indus Eng Chem** Journal of Industrial and Engineering Chemistry. Easton, Pa.
- J Mines** Journal des mines. Paris.
- J Morph** Journal of Morphology. Boston.
- J Phys** Journal de physique, de chimie, d'histoire naturelle et des arts. Paris.
- J Phys Chem** Journal of Physical Chemistry. Ithaca, N. Y.
- J Sch Geog** Journal of School Geography. New York.
- J Zool** Journal de Zoologie. Paris.
- Jb Miner** Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde (Leonhard und Bronn). Heidelberg.
- Johns Hopkins Univ Cir** Johns Hopkins University Circular. Baltimore, Md.
- K Ak Wiss, Mat-nat Cl, Szb** Kaiserliche Akademie der Wissenschaften, Mathematische - naturwissenschaftliche Classe, Sitzungsberichte. Wien.
- K-Bayer Ak Wiss München, Mat-phys Kl, Szb; Abh** Königlich-bayerische Akademie der Wissenschaften zu München, Mathematisch-physikalische Klasse, Sitzungsberichte; Abhandlungen.
- K-Böhm Ges Wiss, Mat-nat Cl, Szb** Königlich-böhmische Gesellschaft der Wissenschaften in Prag, Mathematisch-naturwissenschaftliche Classe, Sitzungsberichte.
- K Danske Vid Selsk, Skrift** Kongelige danske Videnskabernes Selskabs, Skrifter. Copenhagen.
- K Ges Wiss Göttingen, Abh** Königliche Gesellschaft der Wissenschaften zu Göttingen, Abhandlungen.
- K-k G Reichsanstalt, Verh; Jb** Kaiserlich-königliche geologische Reichsanstalt, Verhandlungen; Jahrbuch, Wien.
- K-k Geog Ges Wien, Mitt** Kaiserlich-königliche geographische Gesellschaft in Wien, Mittheilungen.
- K-k Naturh Hofmus, An** Kaiserlich-königliche naturhistorische Hofmuseum, Annalen. Wien.
- K-k Zool-bot Ges Wien, Verh** Kaiserlich - königliche zoologisch-botanische Gesellschaft in Wien, Verhandlungen.
- K-Preuss Ak Wiss Berlin, Mber; Szb; Abh** Königlich - preussische Akademie der Wissenschaften zu Berlin, Monatsbericht; Sitzungsberichte; Abhandlungen.
- K-Sächs Ges Wiss Leipzig, Mat-phys Cl, Ber** Königlich-sächsische Gesellschaft der Wissenschaften zu Leipzig, Mathematisch - physische Classe; Berichte über die Verhandlungen.
- K Svenska Vet-Ak Hdl; Öfv** Kongliga svenska Vetenskaps-Akademiens Handlingar; Öfversigt til Handlingar. Stockholm.
- Kans Ac Sc, Tr** Kansas Academy of Science, Transactions. Topeka.
- Kans St Bd Agr, Tr; An Rp; Bien Rp** Kansas State Board of Agriculture, Transactions; Annual Report; Biennial Report. Topeka.
- Kans, Univ G S** Kansas, The University Geological Survey. Topeka.
- Kans Univ Q** Kansas University Quarterly. Lawrence.
- Kans Univ, Sc B** Kansas University, Bulletin. Science Bulletin. Lawrence.
- Kansas City Rv Sc** Kansas City [Mo.] Review of Science and Industry. See also Western Review of Science and Industry.



- Kansas City Scientist.** Kansas City, Mo.
- Ky G S; Rp Prog; B** Kentucky Geological Survey; Report of Progress; Bulletin. Frankfort.
- L Sup M Inst, Pr** Lake Superior Mining Institute, Proceedings.
- La Géog** La Géographie. Paris.
- La Naturaleza.** México, D. F.
- La St Exp Sta, G Agr La** Louisiana State Experiment Stations, Geology and Agriculture of Louisiana. Baton Rouge.
- La St Univ, An Rp Sup** Louisiana State University, Annual Report of Superintendent. New Orleans.
- Lackawanna Inst, Pr** Lackawanna Institute of History and Science, Proceedings and Collections. Scranton, Pa.
- Leeds G As, Tr** Leeds Geological Association, Transactions.
- Leland Stanford Jr Univ, Pub** Leland Stanford Junior University, Publications.
- Linn Soc, J, Zool** Linnean Society, Journal, Zoology. London.
- Lit Hist Soc Quebec, Tr** Literary and Historical Society of Quebec, Transactions.
- Lit Ph Soc N Y, Tr** Literary and Philosophical Society of New York, Transactions.
- Liverpool G As, Tr [J]** Liverpool Geological Association, Transactions [vol. 9 called Journal].
- Liverpool G Soc, Pr** Liverpool Geological Society, Proceedings.
- Liverpool Geog Soc, Tr An Rp** Liverpool Geographical Society, Transactions and Annual Report of the Council.
- Lyc N H N Y, An; Pr** Lyceum of Natural History of New York, Annals; Proceedings. Later New York Academy of Sciences.
- M J** Mining Journal. London.
- M Mag** Mining Magazine. London.
- M Mag** Mining Magazine; later Mining and Statistic Magazine. New York.
- M Met Soc Am, B** Mining and Metallurgical Society of America, Bulletin. New York.
- M Metal** Mining and Metallurgy. New York.
- M Reporter** Mining Reporter. Denver.
- M Sc Press** Mining and Scientific Press. San Francisco, Cal.
- M Science.** Mining Science. Denver.
- M Soc N S, J** Mining Society of Nova Scotia, Journal. Halifax.
- M Stat Mag** See Mining Magazine.
- M World** Mining World. Later, Mining and Engineering World. Chicago.
- Maclurean Lyc, Contr** Maclurean Lyceum, Contributions. Philadelphia.
- Mag N H** Magazine of Natural History (Loudon). London.
- Malacol Soc L, Pr** Malacological Society of London, Proceedings. London.
- Manchester G (M) Soc, Tr** Manchester Geological (later, and Mining) Society, Transactions.
- Manchester Lit Ph Soc, Mem** Manchester Literary and Philosophical Society, Memoirs and Proceedings.
- Mazama.** Portland, Oreg.
- McClure's Mag** McClure's Magazine. New York.
- McGill Univ, Peter Redpath Mus** McGill University, Montreal, Peter Redpath Museum.
- Md Ac Sc, Tr** Maryland Academy of Sciences, Transactions. Baltimore.
- Md G S, Sp Pub** Maryland Geological Survey, Special Publication.
- Me Bd Agr, An Rp** Maine Board of Agriculture, Annual Report. Augusta.
- Me St Water Storage Comm, An Rp** Maine State Water Storage Commission, Annual Report. Augusta.
- Med Grönland** Meddelelser om Grönland. Copenhagen.
- Med Phys J** Medical and Physical Journal. London.
- Med Soc Pa, Tr** Medical Society of the State of Pennsylvania, Transactions. Philadelphia.



- Meriden Sc As, Tr** Meriden [Conn.] Scientific Association, Proceedings and Transactions.
- Méx, Com G, B; I G, B; Par** México, Comisión geológica, Boletín; Instituto geológico, Boletín; Parergones.
- Mex M J** Mexican Mining Journal. México, D. F.
- Méx, Min Fomento, An** Mexico, Ministerio de fomento, Anales.
- [Méx], Sec Fomento, Bol** [México], Secretaría de fomento, Boletín.
- Mich Ac Sc, Rp; An Rp** Michigan Academy of Science, Report; Annual Report. Lansing.
- Mich G S, Rp** Michigan Geological Survey; Michigan State Board of Geological Survey, Report. Lansing.
- Mich Miner** Michigan Miner. Saginaw.
- Mich Univ, Mus Zool, Oc P** Michigan, University, Museum of Zoology, Occasional Papers. Ann Arbor.
- Middlebury Hist Soc, Papers and Pr** Middlebury [Vt.] Historical Society, Papers and Proceedings.
- Min B** Mining Bulletin. Published bimonthly by the Department of Mining Engineering of the Pennsylvania State College.
- Min Mex** El Minero mexicano. México, D. F.
- Miner Mag** Mineralogical Magazine and Journal of the Mineralogical Society. London.
- Miner Mitt (Tschermak) (K-k G Reichsanstalt, Jb)** Mineralogische Mittheilungen (Tschermak). Also as Beilage to Kaiserlich-königliche geologische Reichsanstalt, Jahrbuch. Wien.
- Mining.** Journal of the Northwest Mining Association. Spokane, Wash.
- Minn Ac N Sc, B** Minnesota Academy of Natural Sciences, Bulletin. Minneapolis.
- Minn G S** Minnesota, Geological and Natural History Survey. Minneapolis.
- Minn Sch Mines, Exp Sta B** Minnesota School of Mines, Experiment Station, Bulletin. Minneapolis.
- Minn, Univ, Q B** Minnesota, University of, Quarterly Bulletin. Minneapolis.
- Miss Agr Exp Sta, B** Mississippi Agricultural Experiment Station, Bulletin. Agricultural College.
- Miss G S, B** Mississippi Geological Survey, Bulletin. Agricultural College.
- Mo G S; Mo Bur G Mines** Missouri, Geological Survey; Missouri Bureau of Geology and Mines. Jefferson City.
- Mo Micro J** Monthly Microscopical Journal. London.
- Mo, Univ, B sc s; Mus B; Studies** Missouri, University of, Bulletin, science series; Museum Bulletin; Studies. Columbia, Mo.
- Mo, Univ, Sch Mines, B** Missouri, University of, School of Mines and Metallurgy, Bulletin. Rolla.
- Mont, Univ, B** Montana, University of, Bulletin. Missoula.
- Monthly Am J G** Monthly American Journal of Geology and Natural Science [G. W. Featherstonhaugh]. Philadelphia.
- Morph Jb** Morphologisches Jahrbuch. Leipzig.
- Mus d'Hist Nat, An; B** Muséum national d'histoire naturelle, Annales; Bulletin. Paris.
- Mus Nac Méx, An** Museo nacional de México, Anales. México, D. F.
- Mus R d'Hist Nat Belgique, B** Musée royal d'histoire naturelle de Belgique, Bulletin. Bruxelles.
- N Am Rev** North American Review. New York.
- N C G S, B** North Carolina Geological Survey, Bulletin.
- N Dak Agr Coll Exp Sta, Bien Rp** North Dakota Agricultural College Experiment Station, Biennial Report. Fargo.
- N Dak G S, Bien Rp** North Dakota Geological Survey, Biennial Report. Bismarck.



- N Engl Inst M Eng, Tr** North of England Institute of Mining Engineers (later, North of England Institute of Mining and Mechanical Engineers), Transactions, Newcastle-upon-Tyne.
- N H Rv** Natural History Review. London.
- N H Soc N B, B** Natural History Society of New Brunswick, Bulletin. St John.
- N J, Dp Conservation, An Rp** New Jersey, Department of Conservation and Development, Annual Report. Trenton, N. J.
- N J, G S, An Rp; Final Rp; Pal; G N J** New Jersey, Geological Survey, Annual Report; Annual Report of the State geologist; Final Report of the State geologist; Paleontology; Geology of New Jersey (Cook), 1868. Trenton.
- N Jb; Beil Bd** Neues Jahrbuch für Mineralogie, Geologie, und Paläontologie; Beilage Band. Stuttgart.
- N Mex Univ, B g s** New Mexico, University, Bulletin, geological series. Albuquerque.
- N S, Dp Mines, Rp** Nova Scotia, Department of Mines, Report. Halifax.
- N S Inst N Sc, Pr Tr** Nova Scotia Institute of Natural Science, Proceedings and Transactions. Halifax.
- N S Lit Sc Soc, Tr** Nova Scotia Literary and Scientific Society, Transactions. Halifax.
- N Y Ac Sc, An; Tr; Mem** New York Academy of Sciences, Annals; Transactions; Memoirs
- N Y, Bd Agr, Mem** New York, Board of Agriculture, Memoirs. Albany.
- N Y Bot Garden, B** New York Botanical Garden, Bulletin.
- N Y Comm St Res Niagara, An Rp** New York (State), Commissioners of the State Reservation at Niagara, Annual Report. Albany.
- N Y G S** New York Geological Survey. Albany.
- N Y Med Phys J** New York Medical and Physical Journal.
- N Y Micro Soc, J** New York Microscopical Society, Journal.
- N Y Miner Club, B** New York Mineralogical Club, Bulletin.
- N Y St Agr Soc, Tr** New York State Agricultural Society, Transactions. Albany.
- N Y St Cab, An Rp** New York State Cabinet of Natural History, Annual Report of the Regents of the University. Albany.
- N Y St G, An Rp** New York, State Geologist, Annual Report. Albany.
- N Y St Mus, An Rp** New York State Museum of Natural History, Annual report. Albany.
- Nassauischer Ver Naturk, Jb** Nassauischer Verein für Naturkunde, Jahrbücher. Wiesbaden.
- Nat Ac Sc, Biog Mem; Mem; Pr** National Academy of Sciences, Biographical Memoirs; Memoirs; Proceedings. Washington, D. C.
- Nat Gas As Am, Pr** Natural Gas Association of America, Proceedings.
- Nat Geog Mag** National Geographic Magazine. Washington, D. C.
- Nat Geog Soc, Nat Geog Mon** National Geographic Society. National Geographic Monographs, vol 1, 10 nos., 1895. Washington, D. C.
- Nat Inst, B Pr; Pr, n s** National Institution (later, Institute) for the Promotion of Science, Bulletin of the Proceedings; Proceedings, new series. Washington, D. C.
- Nat Sc** Natural Science. London.
- Nat Sc As Staten Island, Pr** Natural Science Association of Staten Island [N. Y.], Proceedings.
- Nat Sc J** Natural Science Journal, vol. 1, nos. 1 and 2 [no more published], 1897. New Bedford, Mass.
- Naturaleza (La)** Periódico científico de la Sociedad mexicana de historia natural. México, D. F.
- Naturaliste Can** Le Naturaliste canadien. Quebec.



- Naturalist's Leisure Hour and Monthly Bulletin.** A. E. Foote. Philadelphia.
- Nature.** London.
- Naturf Ges Leipzig, Szb Naturforschende Gesellschaft zu Leipzig, Sitzungsberichte.**
- Naturh Ver Preus Rheinl, Verh Naturhistorischer Verein der preussischen Rheinlande und Westphalens, Verhandlungen.** Bonn.
- Naturh Ver Preus Rheinl, Verh Niederrhein Ges Bonn, Szb) Naturhistorischer Verein der preussischen Rheinlande ..., Verhandlungen (Niederrheinische Gesellschaft für Natur- und Heilkunde in Bonn, Sitzungsberichte).**
- Naturh-med Ver Heidelberg, Verh Naturhistorisch-medicinischer Verein zu Heidelberg, Verhandlungen.**
- Naturw Abh Naturwissenschaftliche Abhandlungen (Haidinger).** Wien.
- Naturw Ges Isis Dresden, Szb; Abh Naturwissenschaftliche Gesellschaft Isis in Dresden, Sitzungsberichte; Abhandlungen.**
- Naturw Ver Halle, Jber Naturwissenschaftlicher Verein [für Sachsen und Thüringen] in Halle, Jahresberichte.**
- Naturw Ver Neuvorpommern und Rügen in Greifswald, Mitt Naturwissenschaftlicher Verein für Neuvorpommern und Rügen in Greifswald, Mittheilungen.**
- Naturw Ver Steiermark, Mitt Naturwissenschaftlicher Verein für Steiermark, Mitteilungen.** Graz.
- Naturw Wochensch Naturwissenschaftliche Wochenschrift.** Berlin.
- Nautilus.** Philadelphia.
- Nebr Ac Sc, Pub; Pr Nebraska Academy of Sciences, Publications; Proceedings.**
- Nebr St Bd Agr, An Rp Nebraska State Board of Agriculture, Annual Report.** Lincoln, Nebr.
- Nebr St Hist Soc, Pr Nebraska State Historical Society, Proceedings and Collections.** Lincoln.
- Nebr Univ, Studies Nebraska University, University Studies.** Lincoln.
- Nev, Univ, Dp G M, B Nevada, University of, Department of Geology and Mining, Bulletin.** Reno.
- New Orleans Ac Sc, Papers New Orleans [La.] Academy of Sciences, Papers.**
- Newport N H Soc, Pr Newport [R. I.] Natural History Society, Proceedings.**
- Niederrhein Ges Bonn, Szb Niederrheinische Gesellschaft für Natur- und Heilkunde zu Bonn, Sitzungsberichte. Issued with Naturhistorische Verein der preussischen Rheinlande und Westphalens, Verhandlungen.**
- Oesterreichische Zs Berg- u Hüttenw Oesterreichische Zeitschrift für Berg- und Hüttenwesen.** Wien.
- Ohio G S, B Ohio Geological Survey, Bulletin.** Columbus.
- Ohio M J Ohio Mining Journal.** Columbus.
- Ohio Nat Ohio Naturalist, Ohio State University, Columbus.**
- Ohio St Ac Sc, An Rp; Pr; Sp P Ohio State Academy of Science, Annual Report; Proceedings; Special Papers.** Columbus.
- Ohio St Univ, B Ohio State University, Bulletin.** Columbus.
- Okla, Dp G N H, Bien Rp Oklahoma, Department of Geology and Natural History, Biennial Report.** Guthrie.
- Okla G S, B Oklahoma Geological Survey, Bulletin.** Norman.
- Okla, Univ, Research B Oklahoma, State University, Research Bulletin.** Norman.
- Oneida Hist Soc, Tr Oneida Historical Society at Utica, N. Y., Transactions.**
- Onondaga Ac Sc, Pr Onondaga Academy of Science, Proceedings.** Syracuse, N. Y.
- Onondaga Hist As Sc S Onondaga Historical Association. Science series.** Syracuse, N. Y.
- Ont Bur Mines, An Rp; B Ontario Bureau of Mines, Annual Report; Bulletin.** Toronto.



- Oreg Bur Mines; Min Res Oreg** Oregon Bureau of Mines and Geology; Mineral Resources of Oregon. Corvallis.
- Ottawa Field Nat Club, Tr** Ottawa Field Naturalists' Club, Transactions.
- Ottawa Lit Sc Soc, Tr** Ottawa Literary and Scientific Society, Transactions.
- Ottawa Nat** Ottawa Naturalist. Continues the Transactions of the Ottawa Field Naturalists' Club.
- Pa, Dp Agr, An Rp** Pennsylvania, Department of Agriculture, Annual Report. Harrisburg.
- Pa G S [2d], An Rp** Pennsylvania, Geological Survey, Second, Annual Report. Harrisburg.
- Pa St Coll; An Rp** Pennsylvania State College; Annual Report.
- Pa, Top G S; Rp** Pennsylvania, Topographic and Geologic Survey, Report. Harrisburg.
- Pa, Univ, Lab, Contr** Pennsylvania, University of, Laboratory, Contributions from. Philadelphia.
- Pahasapa Q** Pahasapa Quarterly. Rapid City, S. Dak.
- Pal B** Paleontological Bulletins (Cope), Nos. 1-40, 1872-1885. Philadelphia.
- Palaeont Abh (Dames u Kayser)** Palaeontologische Abhandlungen (Dames und Kayser). Jena.
- Palaeont Zs** Palaeontologische Zeitschrift. Berlin.
- Palaeontographica.** Cassel.
- Penn Monthly.** Philadelphia, Pa.
- Penn St M Q** Penn State Mining Quarterly. Pennsylvania State College.
- Petermanns Mitt; Erg** Petermanns Mitteilungen; Ergänzungsheft. Gotha.
- Pharmaceutical J** Pharmaceutical Journal and Transactions. London.
- Ph Mag** Philosophical Magazine. Later London and Edinburgh Philosophical Magazine. Later London, Edinburgh, and Dublin Philosophical Magazine.
- Ph Soc Glasgow, Pr** Philosophical Society of Glasgow, Proceedings.
- Ph Soc Wash, B** Philosophical Society of Washington [D. C.], Bulletin.
- Phila Med Phys J** Philadelphia Medical and Physical Journal.
- Polyt Rv** Polytechnic Review. Philadelphia, Pa.
- Pop Sc Mo** Popular Science Monthly. New York.
- Pop Sc Rv** Popular Science Review. London.
- Portland Soc N H, Pr** Portland [Maine] Society of Natural History, Proceedings.
- Pottsville Sc As, B** Pottsville Scientific Association, Schuylkill County, Pa., Bulletin [only one number published, 1855]
- Poughkeepsie Soc N Sc, Pr** Poughkeepsie [N. Y.] Society of Natural Science, Proceedings.
- Princeton Coll, B** Princeton College [N. J.], Bulletin.
- Princeton Coll, E. M. Mus G, Contr** Princeton College, E. M. Museum of Geology and Archaeology, Contributions.
- Psyche.** Cambridge, Mass.
- Q J Micro Sc** Quarterly Journal of Microscopical Science. London.
- Q J Sc** Quarterly Journal of Science. London.
- Q J Sc** Quarterly Journal of Science, Literature, and the Arts. London.
- Que, Dp Col..., Mines Br, Rp** Quebec (Province), Department of Colonization, Mines and Fisheries, Mines Branch, Report on Mining operations. Quebec.
- R Ac Cienc Habana, An** Real Academia de ciencias médicas, físicas y naturales de la Habana [Cuba], Anales.
- R Astron Soc Can, Pr** Royal Astronomical Society of Canada, Selected Papers and Proceedings. Toronto.
- R Bot Garden Edinb, Notes** Royal Botanical Garden of Edinburgh, Notes.



- R Comitato G Italia, B** Reale Comitato geologico d'Italia, Bolletino. See Italia.
- R Dublin Soc, J; Sc Pr** Royal Dublin Society, Journal; Scientific Proceedings.
- R Eng J** Royal Engineers Journal. Chatham.
- R G Soc Cornwall, Tr** Royal Geological Society of Cornwall, Transactions. Penzance.
- R G Soc Ireland, J** Royal Geological Society of Ireland, Journal. Dublin.
- R Geog Soc, Pr** Royal Geographical Society, Proceedings. London.
- R I Bur Industrial Statistics, An Rp; Nat Res S, B** Rhode Island, Bureau of Industrial Statistics, Annual Report; Natural Resources Survey, Bulletin. Providence.
- R Inst, Pr** Royal Institution of Great Britain, Proceedings. London.
- R Irish Ac, Pr** Royal Irish Academy, Proceedings. Dublin.
- R Micro Soc, J** Royal Microscopical Society, Journal. London.
- R Phys Soc Edinb, Pr** Royal Physical Society of Edinburgh, Proceedings.
- R Soc Can, Pr Tr** Royal Society of Canada, Proceedings and Transactions. Montreal.
- R Soc Edinb, Tr; Pr** Royal Society of Edinburgh, Transactions; Proceedings.
- R Soc London, Pr; Ph Tr** Royal Society of London, Proceedings; Philosophical Transactions.
- R Soc N S Wales, J Pr** Royal Society of New South Wales, Journal and Proceedings. Sydney.
- Records of the Past.** Washington, D. C.
- Republic.** Washington, D. C.
- Rv Gén Sciences** Revue générale des sciences pures et appliquées. Paris.
- Rv Scient** Revue scientifique... Paris.
- Rv Trim Can** Revue trimestrielle canadienne. Montreal.
- Rv Univ Mines** Revue universelle des mines.. Liège and Paris.
- Revista Minera** Revista minera, metalúrgica y de ingeniería. Madrid.
- Rochester Ac Sc, Pr** Rochester [N. Y.] Academy of Science, Proceedings.
- Russ-k Min Ges St. Petersburg, Verh** Russisch-kaiserliche mineralogische Gesellschaft zu St. Petersburg, Verhandlungen.
- S Cal Ac Sc, B** Southern California Academy of Sciences, Bulletin. Los Angeles.
- S Dak G S, B** South Dakota Geological Survey, Bulletin. Sioux Falls.
- S Dak Sch Mines, B** South Dakota School of Mines, Bulletin. Rapid City.
- Salt Lake M Rv** Salt Lake [Utah] Mining Review.
- San Diego Soc N H, Tr** San Diego [Cal.] Society of Natural History, Transactions.
- San Francisco Micro Soc, Tr** San Francisco Microscopical Society, Transactions.
- Santa Barbara Soc N H, B** Santa Barbara [Cal.] Society of Natural History, Bulletin.
- Sc Advocate** Science Advocate. Issued quarterly by the Natural Science Society of Atco, N. J.
- Sc Am; Sc Am Sup** Scientific American; Scientific American Supplement. New York.
- Sc As Trinidad, Pr** Scientific Association of Trinidad, Proceedings. Port of Spain.
- Sc Conspectus** Science Conspectus. Massachusetts Institute of Technology. Boston.
- Sc Mo** Scientific Monthly. New York.
- Sc Mo, Toledo, O** Scientific Monthly, Toledo, Ohio.
- Sc Progress** Science Progress. London.
- Sc Soc San Antonio, B** Scientific Society of San Antonio [Texas], Bulletin.
- Sch Mines Q** School of Mines Quarterly. Columbia University. New York.



**Schles Ges, Jber** Schlesische Gesellschaft für vaterländische Cultur, Jahres-Bericht. Breslau.

**Schweiz Naturf Ges, Verh** Schweizerische Naturforschende Gesellschaft, Verhandlungen.

**Science.** Cambridge, Mass, later New York.

**Science** (ed. John Michels). New York.

**Science News.** Salem, Mass.

**Scottish Geog Mag** Scottish Geographical Magazine. Edinburgh.

**Scribner's Mag** Scribner's Magazine. New York.

**Sedalia N H Soc, B** Sedalia [Mo.] Natural History Society, Bulletin.

**Seism Soc Am, B** Seismological Society of America, Bulletin. Stanford University, Cal.

**Senckenbergische Nat Ges Frankfurt, Ber** Senckenbergische naturforschende Gesellschaft in Frankfurt am Main, Bericht.

**Sierra Club B** Sierra Club Bulletin. San Francisco, Cal.

**Smiths Inst, An Rp; Smiths Contr Knowl; Smiths Misc Col; Q Is** Smithsonian Institution, Annual Report; Smithsonian Contributions to Knowledge; Smithsonian Miscellaneous Collections; Quarterly Issue. Washington, D. C.

**Soc Arts, J** Society of Arts, Journal. London.

**Soc Belge G, B** Société belge de géologie..., Bulletin. Bruxelles.

**Soc Bot France, B** Société botanique de France, Bulletin. Paris.

**Soc Chem Ind, J** Society of Chemical Industry, Journal. London.

**Soc Cient Ant Alz, Mem** Sociedad científica "Antonio Alzate," Memorias y revista, México, D. F.

**Soc Cubana Ing, Rv** Sociedad cubana de ingenieros, Revista. Habana.

**Soc d'Études Sc d'Angers, B** Société d'études scientifiques d'Angers, Bulletin.

**Soc Española H N, An** Sociedad española de historia natural, Anales. Madrid.

**Soc Franç Minér, B** Société française de minéralogie, Bulletin. Paris.

**Soc Fribourgeoise Sc Nat, B; Mém** Société fribourgeoise des sciences naturelles, Bulletin; Mémoires. Fribourg.

**Soc G Belgique, An** Société géologique de Belgique, Annales. Liège.

**Soc G France, B; Mém** Société géologique de France, Bulletin; Mémoires. Paris.

**Soc G Italiana, B** Società geologica italiana, Bollettino. Roma.

**Soc G Mex, B** Sociedad geológica mexicana, Boletín. México, D. F.

**Soc G Nord, An; Mém** Société géologique du Nord, Annales; Mémoires. Lille.

**Soc G Normandie, B** Société géologique de Normandie, Bulletin. Havre.

**Soc Geog Mex, B** Sociedad de geografía y estadística de la República mexicana, Boletín. México, D. F.

**Soc Géog Paris, B** Société de géographie, Paris, Bulletin.

**Soc Géog Qué, B** Société de géographie de Québec, Bulletin.

**Soc Hongroise Géog, Abrégé B** Société hongroise de géographie, Abrégé du bulletin. Budapest.

**Soc Imp Nat Moscou, B** Société impériale des naturalistes de Moscou, Bulletin.

**Soc Ind Min, B; C R Men** Société de l'industrie minérale, Bulletin; Comptes rendus mensuels des réunions. Saint-Etienne.

**Soc Ing Civils France, Mém** Société des ingénieurs civils de France, Mémoires. Paris.

**Soc Italiana Sc Nat Milano, Atti** Società italiana di scienze naturali... in Milano, Atti.

**Soc Ligustica Sc Nat Geog, Atti** Società ligustica di scienze naturali e geografiche, Atti. Genoa.

**Soc Mex Geog Estadística, B** Sociedad mexicana de geografía y estadística, Boletín. México, D. F.

**Soc Malac Belgique, An** Société malacologique de Belgique, Annales. Bruxelles.



- Soc Minér France, B** Société minéralogique de France, Bulletin. Paris.
- Soc Promotion Agr Sc, Pr** Society for the Promotion of Agricultural Science, Proceedings of the — Annual Meeting.
- Soc Roy Belge de Géog, B** Société royale belge de géographie, Bulletin. Bruxelles.
- Soc Sc Nat Neuchatel, B** Société des sciences naturelles de Neuchatel, Bulletin.
- Soc Zool France, B** Société zoologique de France, Bulletin. Paris.
- Southern J Med Phys Sc** Southern Journal of the Medical and Physical Sciences. Nashville, Tenn.
- Southwestern As Petroleum G, B** Southwestern Association of Petroleum Geologists, Bulletin. Continued as American Association of Petroleum Geologists, Bulletin.
- St. Louis Univ, B** St. Louis [Mo.] University, Bulletin.
- Staten Island As, Pr** Staten Island [N. Y.] Association of Arts and Sciences, Proceedings.
- Stone.** Chicago.
- Tech Q** Technology Quarterly and Proceedings of the Society of Arts. Earlier, Technology Quarterly. Massachusetts Institute of Technology. Boston.
- Tech Rv** Technology Review. Massachusetts Institute of Technology. Boston.
- Tech Soc Pacific Coast, Tr** Technical Society of the Pacific Coast, Transactions. San Francisco.
- Tenn G S; Res Tenn; B** Tennessee State Geological Survey; Resources of Tennessee; Bulletin. Nashville.
- Tenn St Bd Health, B; Rp** Tennessee State Board of Health, Bulletin; Report. Nashville.
- Terr Magn** Terrestrial Magnetism and Atmospheric Electricity. Baltimore.
- Tex Ac Sc, Tr** Texas Academy of Science, Transactions. Austin, Tex.
- Tex G S, Rp Prog** Texas Geological Survey, Report of Progress. Austin.
- Tex, Univ, B; Min S B** Texas University of, Bulletin; Mineral Survey Bulletin. Austin.
- Toronto, Univ, Studies, g s** Toronto, University of, Studies, geological series.
- Torrey Bot Club, B** Torrey Botanical Club, Bulletin. New York.
- Torreya.** Lancaster, Pa.
- Transylvania J Med** Transylvania Journal of Medicine. Lexington, Ky.
- Tschermak's Mitt** Tschermak's mineralogische und petrographische Mittheilungen. Wien.
- Tufts Coll Studies** Tufts College Studies. Tufts, Mass.
- U S, Bur Mines, B; Tech P** United States, Bureau of Mines, Bulletin; Technical Paper, Washington, D. C.
- U S, Bur Soils, B** United States, Bureau of Soils, Bulletin.
- U S, Coast S** United States, Coast and Geodetic Survey.
- [U S], — Cong — Sess, S Ex D; H Ex D** [United States], — Congress — session, Senate Executive Document No. —; House of Representatives Executive Document No. —.
- U S, Dp Agr, B** United States, Department of Agriculture, Bulletin.
- U S, Dp Interior, Off Secretary** United States, Department of the Interior, Office of the Secretary.
- U S G Expl 40th Par (King)** United States Geological Exploration of the Fortieth Parallel (King).
- U S G Geog S Terr (Hayden)** United States Geological and Geographical Survey of the Territories (Hayden) [title varies].
- U S G S, An Rp; P P; B; W-S P; Mon; Min Res; G Atlas, Top Atlas.** United States Geological Survey, Annual Report; Professional Paper; Bulletin; Water-Supply Paper; Monograph; Mineral Resources; Geologic Atlas, — folio (No. —); Topographic Atlas.



- U S Geog G S Rocky Mtn Reg** (Powell) United States Geographical and Geological Survey of the Rocky Mountain Region (Powell).
- U S Geog S W 100th Mer** (Wheeler) United States Geographical Surveys, West of the One Hundredth Meridian (Wheeler).
- U S Land Off** United States, General Land Office.
- U S Nat Mus, An Rp; B; Pr** United States National Museum, Annual Report; Bulletin; Proceedings.
- U S, Off Pub Roads, B** United States, Office of Public Roads, Bulletin.
- U S, Pacific R R Expl** United States [War Department], Pacific Railroad Explorations (U. S., 33d Congress, 1st session, House of Representatives Ex. Doc. No. 129, vol. 18, pts. 1-4). Reports of explorations and surveys to ascertain the most practicable and economical route for a railroad from the Mississippi River to the Pacific Ocean, made... in 1853-4... U. S., 33d Congress 2d session, Senate Ex. Doc. No. 78 and H. Ex. Doc. 91.
- U S [War Dp], Chief Eng, An Rp** United States [War Department], Chief of Engineers, Annual Report.
- Upsala, Univ, G Inst, B** Upsala, University, the Geological Institution, Bulletin.
- Utah Ac Sc, Tr.** Utah Academy of Sciences, Transactions. Salt Lake City.
- Va G S, B** Virginia Geological Survey, Bulletin. Richmond.
- Va, Univ, Ph Soc, B sc s** Virginia, University of, Philosophical Society, Bulletin, scientific series. Charlottesville.
- Vassar Bros Inst, Tr** Vassar Brothers Institute, Transactions. Poughkeepsie, N. Y.
- Ver Erdk Dresden, Mitt** Verein für Erdkunde zu Dresden, Mitteilungen.
- Ver Erdk Leipzig, Mitt** Verein für Erdkunde zu Leipzig, Mitteilungen.
- Ver Freunde Naturg Mecklenberg, Arch** Verein der Freunde der Naturgeschichte in Mecklenberg, Archiv.
- Ver Freunden Erdk Leipzig, Jber** Verein von Freunden der Erdkunde zu Leipzig, Jahresbericht.
- Ver Vaterl Naturk Württemberg, Jahresh** Verein für vaterländische Naturkunde in Württemberg, Jahreshefte. Stuttgart.
- Victoria Inst, Tr** Victoria Institute, or Philosophical Society of Great Britain, Journal of the Transactions. London.
- Victoria Inst, Trinidad, Pr** Victoria Institute, Trinidad, Proceedings.
- Videnskabs-Selsk Christiania, Forh** Videnskabs-Selskabet i Christiania, Forhandlingar.
- Vt St G, Rp** Vermont, State Geologist, Report. Rutland.
- W Soc Eng, J** Western Society of Engineers, Journal. Chicago, Ill.
- W Va G S** West Virginia Geological Survey, Charleston and Wheeling.
- W Va Univ, Rp Bd Reg** West Virginia University, Report of the Board of Regents. Morgantown.
- Wagner Free I Sc, Tr** Wagner Free Institute of Science of Philadelphia, Transactions.
- Walker Museum.** See Chicago University.
- Wash Ac Sc; J; Pr** Washington [D. C.] Academy of Sciences, Journal: Proceedings.
- Wash, St G, An Rp; Wash G S, B** Washington, State Geologist, Annual Report; Washington Geological Survey, Bulletin. Tacoma.
- Wash, Univ, Pub G** Washington, University of, Publications in Geology. Seattle.
- Washburn Coll Lab N H, B** Washburn College Laboratory of Natural History, Bulletin. Topeka, Kans.
- Wernerian N H Soc, Mem** Wernerian Natural History Society, Memoirs. Edinburgh.
- West Am Sc** West American Scientist. San Diego, Cal.



- Western Eng** Western Engineering. San Francisco, Cal.
- Western Reserve Hist Soc Tracts** Western Reserve Historical Society, Tracts. Cleveland, Ohio.
- Western Rv Sc** Western Review of Science and Industry. With vol. 2, no. 7, Oct., 1878, name changed to Kansas City Review of Science and Industry. Kansas City, Mo.
- Wis Ac Sc, Tr** Wisconsin Academy of Science, Arts, and Letters, Transactions. Madison.
- Wis Engineer** Wisconsin Engineer. Madison.
- Wis G S, G Wis; B** Wisconsin Geological Survey, Geology of Wisconsin. Later Wisconsin Geological and Natural History Survey, Bulletin. Madison.
- Wis N H Soc, B** Wisconsin Natural History Society, Bulletin. Milwaukee.
- Wis, Univ, B, Sc s; Eng s** Wisconsin, University of, Bulletin, Science series; Engineering series. Madison.
- Wyo, G Off, B; Wyo, St G** Wyoming, Geologist's Office, Bulletin. Wyoming, State Geologist. Cheyenne and Laramie.
- Wyo, Univ, Sch Mines, B** Wyoming, University of, School of Mines, Bulletin. Laramie.
- Wyoming Hist G Soc, Pr; Pub** Wyoming Historical and Geological Society, Proceedings and Collections; Publications. Wilkesbarre, Pa.
- Yale Bicen Pub Contr Miner Yale** [University] Bicentennial Publications. Contributions to mineralogy and petrography..., edited by S. L. Penfield and L. V. Pirsson. New York, Charles Scribner's Sons, 1901.
- Yale Sc Mo** Yale [University] Scientific Monthly. New Haven, Conn.
- Yorkshire G Polyt Soc, Pr** Yorkshire Geological and Polytechnic Society, Proceedings. Leeds.
- Zool Anzeiger** Zoologischer Anzeiger. Leipzig.
- Zool B** Zoological Bulletin. Boston, Mass.
- Zool Soc London, Pr** Zoological Society of London, Proceedings.
- Zs Allg Erdk** Zeitschrift für allgemeine Erdkunde. Berlin.
- Zs Anorg Chem** Zeitschrift für anorganische Chemie. Hamburg.
- Zs Berg-, Hütten- u Salinen-Wesen** Zeitschrift für das Berg-, Hütten- und Salinen-Wesen. Berlin.
- Zs Ges Naturw** Zeitschrift für die gesammten Naturwissenschaften, Berlin.
- Zs Gletscherk** Zeitschrift für Gletscherkunde. Berlin.
- Zs Kryst** Zeitschrift für Krystallographie und Mineralogie. Leipzig.
- Zs Miner (Leonhard)** Zeitschrift für Mineralogie (Leonhard). Frankfurt am Main.
- Zs Prak G** Zeitschrift für praktische Geologie. Berlin.
- Zs Vulkan** Zeitschrift für Vulkanologie. Berlin.



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**98** An episode during the terrace cutting of the Potomac. *Johns Hopkins Univ Circ* 18:16-17 (1898)

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**00** The physiographic features of Maryland. *Am Bur Geog, B* 1:151-157, 242-248, 342-355 (1900)

**00a** The physiography of Allegany Co. *Md G S, Allegany Co*:27-56 (1900)

**02** The physiography of Garrett County. *Md G S, Garrett Co*:27-54 (1902)

**03** Die Fall-Linie der südöstlichen Vereinigten Staaten. *Vierteljahrsheften Geog Unterricht (Heiderich)* Wien, 2:204-210 (1903)

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**13** Do volcanic explosions affect our climate? *Nat Geog Mag* 24:181-198 (1913)

**13a** (and **Fowle, F. E.**) Volcanoes and climate. *Smiths Misc Col* 60 no 29:24 pp (1913)

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**61** (with **Humphreys, A. A.**) Report upon the physics and hydraulics of the Mississippi River... *U S Army, Corps of Topographical Engineers, Prof Papers* no 4:456, cxlvi pp, maps, Phila 1861 [Reprint, with additions], ... *Prof Papers* no 13:691 pp, maps, Washington 1876

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**83** Occurrence of amber near Trenton, N. J. *Science* 1:594 (1883)

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**46** Journal ... from Bent's Fort to St. Louis in 1845. *U S, 29th Cong 1st sess, S Ex Doc* 438:75 pp, map (1846)

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**70** Report of the Arkansas River. *U S, 41st Cong 2d sess, H Ex Doc* 295:33 pp (1870)

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**Adam, Joseph S.**

**71** Notes on the geology of the vicinity of Samana [Santo Domingo]. U S, 42d Cong 1st sess, S Ex Doc 8:70-71 (1871)

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**75** On a fossil saurian vertebra, *Arctosaurus osborni*, from the Arctic regions. R Irish Ac, Pr (2) 2:177-179, il (1875)

**Adams, A. N.**

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**45a** ... geology of Jamaica (*abst*). As Am G, Pr 6:32-33 (1845)

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**47b** On claystone concretions. Am J Agr 6:207 [255] (1847)

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**84** On the occurrence of the Norwegian "Apatitbringer" in Canada, with a few notes on the microscopic characters of some Laurentian amphibolites (*abst*). Brit As, Rp 54:717 (1885) G Mag (3) 1:518 (1884)

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**90** [Summary report on the St. Maurice district, eastern townships, Que.] Can G S, Sum Rp 1888-9 (An Rp 4): A 34-35 (1890)

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**94a** Structure of the Mystic coal basin [Iowa]. *Iowa Ac Sc*, Pr 1 pt 4: 33-36 (1894)

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**95** Notes on Iowa building stones. *U S G S*, An Rp 16 pt 4: 500-503 (1895)

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**95f** Preglacial elevation of Iowa. *Iowa Ac Sc*, Pr 2: 23-26 (1895)

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**97b** Geology of Polk Co. *Iowa G S* 7: 263-412, maps (1897)

**97c** Geology of Guthrie Co. *Iowa G S* 7: 413-487, maps (1897)



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**97d** (with **Tilton, J. L.**) Geology of Madison Co. Iowa G S 7:489-539, map (1897)

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**98a** Geology of Decatur Co. Iowa G S 8:255-309, map (1898)

**98b** Geology of Plymouth Co. Iowa G S 8:315-366, map (1898)

**98c** Properties and tests of Iowa building stones. Iowa G S 8:369-416 (1898)

**98d** Preliminary outline map of the drift sheets of Iowa. Iowa G S 8: pl. 3 (1898)

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**18** Means of solving crystal problems. *Am J Sc* (4) 46:651-662 (1918)

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**68** Topographical and geological features of the northwest coast of America. *Am J Sc* (2) 45:242-247 (1868)

**69** General topographical and geological features of the northwestern coast of America from the Straits of Juan de Fuca to the parallel of 60 degrees north latitude. *U S Coast S, Rp* 1867 (*U S, 40th Cong 2d sess, H Ex Doc* 275): 281-290 (1869)

**69a** Notes on Alaska. *Cal Ac Sc, Pr* 4:13-15 (1869)

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**49** The history of Putnam County, N. Y. ... (geology [extracts from Beck, 40 and Mather, 43]: 17-77). 368 pp, N Y 1849

**51** On a method for distinguishing between biaxial and uniaxial crystals when in thin plates; and the results of the examination of several supposed uniaxial micas. *Am As, Pr* 5:50-54 (1851) *Am J Sc* (2) 12:6-9 (1851)

**51a** Optical and blowpipe examination of the supposed chlorite of Chester Co., Pa. *Am J Sc* (2) 12:339-341 (1851)

**52** Mineralogical notices. *Am J Sc* (2) 13:116-117; 14:105 (1852)

**53** On the occurrence of crystallized carbonate of lanthanum [Lehigh Co., Pa.]. *Am J Sc* (2) 16:228-230 (1853)

**54** Ancient lake in the Colorado Desert. *Am J Sc* (2) 17:435-438 (1854)

**54a** Quicksilver mine of Almaden, Cal. *Am J Sc* (2) 17:438-440 (1854)

**54b** Recent earthquake shocks in California. *Am J Sc* (2) 18:151 (1854)

**54c** On gold and platinum of Cape Blanco [Cal.]. *Am J Sc* (2) 18:156 (1854)

**54d** Notes on California. *Am J Sc* (2) 18:441 (1854)

**55** Remarks in conclusion [of Conrad's report on the fossil shells collected in California]. *U S, Pacific R R Expl* (*U S, 33d Cong 1st sess, H Ex Doc* 129) Appendix to the preliminary geological report of W. P. Blake: 20-21 (1855) *Am J Sc* (2) 21:270-272 (1856)

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**55a** Preliminary geological report [Williamson's reconnaissance in California]. *U S, Pacific R R Expl* (*U S, 33d Cong 1st sess, H Ex Doc* 129): 80 pp (1855)

**55b** Remains of the mammoth and mastodon in California. *Am J Sc* (2) 19:133 (1855)

**55c** Observations on the extent of the gold region of California and Oregon ... *Am J Sc* (2) 20:72-85 (1855) *M Mag* 5:32-45 (1855)

**55d** On the grooving and polishing of hard rocks and minerals by dry sand. *Am J Sc* (2) 20:178-181 (1855) *Am Ac, Pr* 9:216-220 (1856)

**55e** Notice of remarkable strata containing the remains of Infusoria and Polythalamia in the Tertiary formation of Monterey, Cal. *Ac N Sc Phila, Pr* 7:328-331 (1855)

**56** Report on the geology of the route near the thirty-second parallel ... [Pope's reconnaissance]. *U S, Pacific R R Expl* (*U S, 33d Cong 2d sess, S Ex Doc* 78 and *H Ex Doc* 91) 2:50 pp, map (1856)

**56a** General report upon the geological collections [made on Whipple's reconnaissance near the thirty-fifth parallel]. *U S, Pacific R R Expl* (*U S, 33d Cong 2d sess, S Ex Doc* 78 and *H Ex Doc* 91) 3 pt. 4: 1-119, map (1856)

**56b** Observations on the physical geography and geology of the coast of California from Bodega Bay to San Diego. *U S Coast S, Rp* 1855 (*U S, 34th Cong, 1st sess, S Ex Doc* 22): 376-398 (1856)

**56c** Notice of the geological collection [made by Shumard on Marcy's expedition on Big Wichita and Brazos rivers]. *U S, 34th Cong 1st sess, S Ex Doc* 60:46-47 (1856)

**56d** Geological note on section in ravine of L'Eau qui Court River [Badlands, Nebr.]. In Warren, G. K., *Explorations in the Dakota country in the year 1855*; *U S, 34th Cong 1st sess, S Ex Doc* 76: 63-66 (1856)

**56e** Observations on the characters and probable geological age of the sandstone formation of San Francisco (*abst*). *Am As, Pr* 9:220-222 (1856)

**56f** Remarks upon the geology of California, from observations in connection with the United States surveys and explorations for a railroad route to the Pacific. *Am As, Pr* 9:222-225 (1856)

**56g** Earthquakes in California. *Am J Sc* (2) 21:449 (1856)

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**Blake, William Phipps—Continued.**

**57a** Observations on the orography of the western portion of the United States. *Am As*, Pr 10 pt 2:119-134 (1857) *Abst*, *Edinb N Ph J n s* 5:370-374 (1857)

**57b** Note on the occurrence of telluret of silver in California. *Cal Ac N Sc*, Pr 1:96-97 (1857; 2d ed, 1873:107-108) *Am J Sc* (2) 23:270-271 (1857)

**58** The chalchihuitl of the ancient Mexicans; its locality and association, and its identity with turquoise. *Am J Sc* (2) 25:227-232 (1858)

**58a** On the parallelism between the deposits of auriferous drift of the Appalachian gold field and those of California. *Am J Sc* (2) 26:128 (1858)

**58b** Lanthanite and albanite in Essex Co., N. Y. *Am J Sc* (2) 26:245-246 (1858)

**58c** Report upon the gold placers in the vicinity of Dahlonega, Ga ... 14 pp, N Y 1858 [Priv pub]

**59** Silver and copper mining in Arizona. *M Mag* (2) 1:1-15, map (1859)

**59a** Observations on the mineral resources of the Rocky Mountain chain, near Santa Fé, and the probable extent southwards of the Rocky Mountain gold field. *Boston Soc N H*, Pr 7:64-70 (1859) *M Mag* (2) 1:22-27 (1859)

**59b** Observations on the geology of the Rocky Mountain chain in the vicinity of Santa Fe, N. Mex. (*abst*). *Edinb N Ph J n s* 10:301-304 (1859) *Am As*, Pr 13:314-319 (1860)

**59c** (and Jackson, C. T.) The gold placers of the vicinity of Dahlonega, Ga. Report to the Yahoola River and Cane Creek Hydraulic Hose Mining Company. 64 pp, Boston 1859 *Extract*, *M Mag* (2) 1:360-366 (1860)

**60** The Washoe silver mines [Nev.]. *M Mag* (2) 1:221-225 (1860)

**60a** The Wheatley silver lead mines [near Phoenixville, Pa.] *M Mag* (2) 1:411-418 (1860)

**60b** Report upon the zinc ore of Bald Hill, Union Co., Tenn. *M Mag* (2) 1:419-427 (1860)

**60c** Report on the Cherokee gold mine [Ga.]. *M Mag* (2) 1:453-457 (1860)

**60d** Report on the Hendricks gold lots, Lumpkin Co., Ga. *M Mag* (2) 1:457-461 (1860)

**60e** Report upon the property of the Valley River Gold Company [Cherokee Co., N. C.]. *M Mag* (2) 1:461-466 (1860)

**60f** Contributions to the mineralogy and geology of Georgia. *M Mag* (2) 2:76-80 (1860)

**61** Notes upon the geology and minerals of the Cherokee Valley, Valley River, N. C. *M Mag* (2) 2:80-84 (1861)

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**61a** Descriptions of the various silver ores and minerals ... 181 pp, New Haven 1861 [not seen]

**64** Notes on the geology and mines of Nevada Territory (Washoe region, U. S.). *G Soc London*, Q J 20:317-327 (1864) *Abst*, *Ph Mag* (4) 28:72-73 (1864)

**64a** Note on the fossil remains of the horse and elephant, mingled, at Mare Island, San Francisco Bay. *Cal Ac N Sc*, Pr 3:166 (1864)

**64b** Note on a large lump of gold found on the middle fork of the American River. *Cal Ac N Sc*, Pr 3:166 (1864)

**64c** *Ammonites* or *Ceratites* from Oregon Bar, middle fork of the American River. *Cal Ac N Sc*, Pr 3:167 (1864)

**64d** Note on the discovery of fossils in the auriferous slate formation of the Mariposa estate, Cal., and the probable geological age. *Cal Ac N Sc*, Pr 3:170 (1864)

**64e** Der Stekin-Fluss im Britischen Nord-Amerika [Stikine River district, B. C.]. *Petermanns Mitt* 10:171-175 (1864)

**65** Iron regions of Arizona. *Am J Sc* (2) 40:388 (1865)

**66** Annotated catalogue of the principal mineral species hitherto recognized in California and the adjoining states and territories; being a report to the California State Board of Agriculture [*and* Notes on the geographical distribution and geology of the precious metals and valuable minerals on the Pacific slope of the United States:27-31] 31 pp, Sacramento 1866 *Also in* *Cal St Bd Agr*, *Tr St Agr Soc* 1864-5:335-363 (1866); *Cal., Legislature*, *App. to Journals*, 16 Sess., vol 3:335-363 (1866) *Notice*, *Am J Sc* (2) 42:125 (1866)

**66a** Account of an earthquake at San Francisco, Cal., October 8, 1865. *Boston Soc N H*, Pr 10:236-237 (1866)

**66b** Note on the occurrence of gold with cinnabar in the Secondary or Tertiary rocks. *Boston Soc N H*, Pr 11:30-31 (1866)

**66c** Note upon the occurrence of sphene in the granite of the Sierra Nevada. *Cal Ac N Sc*, Pr 3:193 (1866)

**66d** New mineral oil regions in the Tulare Valley. *Cal Ac N Sc*, Pr 3:193 (1866)

**66e** Note on the abundance of iron ore in northern Arizona. *Cal Ac N Sc*, Pr 3:206-207 (1866)

**66f** *Ammonites* in the auriferous slates of California. *Cal Ac N Sc*, Pr 3:235 (1866)

**67** Mineralogical notices. *Am J Sc* (2) 43:124-125 (1867) *Cal Ac N Sc*, Pr 3:297-298 (1867)

**67a** The glaciers of Alaska, Russian America. *Am J Sc* (2) 44:96-101 (1867)



**Blake, William Phipps—Continued.**

- 67b** Locality of secondary fossils in Oregon. *Am J Sc* (2) 44:118-119 (1867)
- 67c** Note upon "partzite." *Am J Sc* (2) 44:119 (1867)
- 67d** Sur l'action des anciens glaciers dans la Sierra Nevada de Californie et sur l'origine de la vallée de Yo-Semite. *Ac Sc Paris, C R* 65:179-181 (1867)
- 67e** Miscellaneous notices. *Cal Ac N Sc, Pr* 3:289-291 (1867)
- 67f** Fossil fish in the Great Basin, Nev. *Cal Ac N Sc, Pr* 3:306-307 (1867)
- 67g** Notice of fossil elephants' teeth from the northwest coast. *Cal Ac N Sc, Pr* 3:325 (1867)
- 67h** Origin of the submerged forests in the Columbia River, Oregon. *Cal Ac N Sc, Pr* 3:339-341 (1867)
- 67i** Note upon the brown coal formation of Washington Territory and Oregon. *Cal Ac N Sc, Pr* 3:347 (1867)
- 67j** Analysis of Mt. Diablo, Cal., coal. *Cal Ac N Sc, Pr* 3:348 (1867)
- 68** Notes upon the geography and geology of Russian America and the Stickeen River, from observations made in 1863. *U S, 40th Cong, 2d sess, H Ex Doc* 177 pt 2:19 pp, map (1868)
- 68a** The Carboniferous age of a portion of the gold-bearing rocks of California. *Am J Sc* (2) 45:264-267 (1868)
- 68b** Note on the occurrence of fossil remains of the tapir in California. *Am J Sc* (2) 45:381 (1868)
- 68c** Upon the gradual desiccation of the surface of the western portion of North America (*abst*). *Am Nat* 2:244 (1868)
- 68d** Notes upon the universal exposition at Paris, 1867. Report of the [California] Commissioner to the Paris Exposition, 1867. 99 pp, Sacramento 1868
- 69** Report upon the precious metals; being statistical notices of the principal gold and silver producing regions of the world ... Paris Universal Exposition 1867, Reports of the United States Commissioners:369 pp, Washington 1869 Also an author's edition, N Y 1869
- 70** The plasticity of pebbles and rocks. *Am As, Pr* 18:199-205 (1870) *Abst, Am Nat* 3:445-446 (1869)
- 70a** On a fossil tooth from Table Mountain. *Am J Sc* (2) 50:262-263 (1870)
- 71** Notes on some points in the mineralogy and geology of Utah. *Am J Sc* (3) 2:216 (1871)
- 71a** Preliminary geological report of observations upon the Peninsula of Samana; Preliminary report of the expedition across the island from Santo Domingo City to Puerto Plata by the western or Banao route; Preliminary report upon the mineral resources of Santo Domingo. *U S, 42d Cong 1st sess, S Ex Doc* 8:63-65, 121-127, 144-145 (1871)

**Blake, William Phipps—Continued.**

- 73** (with **Hitchcock, C. H.**) Geological map of the United States. Accompanying the report of Rossiter W. Raymond, United States Commissioner of Mining Statistics. 1873
- 73a** (with **Hitchcock, C. H.**) [Description of] geological map of the United States compiled for the Ninth Census, 1872. *G Mag* 10:371-373 (1873)
- 74** Wood tin in Georgia. *Am J Sc* (3) 8:392 (1874)
- 74a** (with **Hitchcock, C. H.**) Geological map of the United States. *In U S, Ninth Census, Statistical Atlas* pl 13-14 (1874)
- 75** Origin of the cascades and of the submerged forest on the Columbia River, Oreg. *Am As, Pr* 23 pt 2:72-74 (1875)
- 76** Notes on the occurrence of siderite at Gay Head, Mass. *Am I M Eng, Tr* 4:112-113 (1876)
- 77** On itacolumite [Mariposa Co., Cal.]. *Ac N Sc Phila, Pr* 1876:325-326 (1877)
- 78** Note sur les gisements de cinabre de la Californie et du Nevada. *Soc Minér France, B* 1:81-84 (1878)
- 79** The ore deposits of Eureka district, eastern Nev. *Am I M Eng, Tr* 6:554-563 (1879)
- 80** Carte géologique des États-Unis de l'Amérique septentrionale. *Int G Cong, Paris* 1878, *C R*:199-201 (1880)
- 80a** Commissions géologiques en exercice aux États-Unis en 1878. *Int G Cong, Paris* 1878, *C R*:295 (1880)
- 80b** A winter trip to the mines of the West. Synopsis of a lecture before the Bullion Club of New York. 11 pp, published by members of the club, 1880
- 81** Occurrence of realgar and orpiment in Utah. *Am J Sc* (3) 21:219 (1881)
- 81a** On the occurrence of vanadates of lead at the Castle Dome mines in Arizona. *Am J Sc* (3) 22:410-411 (1881)
- 81b** Contributions to the geology and mineralogy of California. [Cal] *St M Bur*:15 pp, Sacramento 1881
- 82** The geology and veins of Tombstone, Ariz. *Am I M Eng, Tr* 10:334-345 (1882) *Eng M J* 33:145-146, 157, 231-232, 328; 34:29-30 (1882) [See Church, 82]
- 83** New locality of the green turquoise... *Am J Sc* (3) 25:197-200 (1883)
- 83a** Cassiterite, spodumene and beryl in the Black Hills, Dakota. *Am J Sc* (3) 26:235 (1883)
- 83b** The Silver King mine [Pinal region, Ariz.] *Eng M J* 35:238-239, 254-256 (1883)
- 83c** The discovery of tinstone in the Black Hills of Dakota. *Eng M J* 36:145-146, 163-164, 344 (1883)
- 83d** Glacial phenomena of Mill Rock, near New Haven, [Conn.]. *Science* 1:146-147 (1883)



**Blake, William Phipps—Continued.**

**83e** Nickel. U S G S, Min Res [1882]: 399-420; 1883-4: 537-543 (1883-5)

**84** Crystallized gold in prismatic forms. Am J Sc (3) 28: 57-58 (1884)

**84a** Columbite in the Black Hills of Dakota. Am J Sc (3) 28: 340-341 (1884)  
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**84b** Columbite and tantalite with the tin ore of the Black Hills. Eng M J 38: 376 (1884)

**84c** The Carson City ichnolites. Science 4: 273-276, il (1884)

**85** Uintahite, a new variety of asphaltum from the Uinta Mountains, Utah. Eng M J 40: 431 (1885)

**85a** Spodumene crystals of gigantic size. Am J Sc (3) 29: 71 (1885)

**85b** New localities of erythrite. Am J Sc (3) 30: 163 (1885)

**85c** Tin ore veins in the Black Hills of Dakota. Am I M Eng, Tr 13: 691-696 (1885)

**85d** Tantalite and columbite in the Black Hills of Dakota. Am I M Eng, Tr 13: 696-697 (1885)

**85e** Tin. U S G S, Min Res 1883-4: 592-640 (1885)

**85f** Antimony. U S G S, Min Res 1883-4: 641-153 (1885)

**86** Description of a meteorite from Green Co., Tenn. Am J Sc (3) 31: 41-46 (1886)

**86a** Iron ore deposits of southern Utah. Am I M Eng, Tr 14: 809-811 (1886)

**87** The Rainbow lode, Butte City, Mont. Am I M Eng, Tr 16: 65-80 (1887)

**87a** Wood River, Idaho, silver-lead mines. Eng M J 44: 2-3 (1887)

**89** The copper deposits of Copper Basin, Ariz., and their origin. Am I M Eng, Tr 17: 479-485 (1889)

**90** Wurtzilite [Uinta Mountains, Wasatch Co., Utah]. Eng M J 48: 542-543 (1889) Am G 5: 63-64 (1890)

**90a** Wurtzilite from the Uinta Mountains, Utah. Am I M Eng, Tr 18: 497-503 (1890)

**90b** Uintaite, albertite, grahamite, and asphaltum described and compared, with observations on bitumen and its compounds. Am I M Eng, Tr 18: 563-582 (1890)

**90c** Mineralogical notes. Am J Sc (3) 39: 43-45 (1890)

**91** Columbite of the Black Hills, S. Dak. Am J Sc (3) 41: 403-405 (1891)

**92** Age of the limestone strata of Deep Creek, Utah, and the occurrence of gold in the crystalline portions of the formation. Am G 9: 47-48 (1892) Eng M J 53: 253 (1892)

**92a** Relative abundance of gold in different geological formations. Am G 9: 166-168 (1892) Eng M J 53: 348-349 (1892)

**Blake, William Phipps—Continued.**

**93** Wisconsin lead and zinc deposits (with discussion by J. F. Kemp and T. C. Chamberlin). G Soc Am, B 5: 25-32 (1893) Abst, Am J Sc (3) 46: 306 (1893)

**93a** Association of apatite with beds of magnetite. Am I M Eng, Tr 21: 159-160 (1893)

**93b** The mineral deposits of southwest Wisconsin. Am I M Eng, Tr 22: 558-568 (1894) Am G 12: 237-248 (1893)

**93c** The progress of geological surveys in the State of Wisconsin; a review and bibliography (*abst*). Wis Ac Sc, Tr 9: 225-231 (1893)

**93d** The persistence of ores in lodes in depth. Eng M J 55: 3 (1893)

**94** Trilobites in the "oil-rock" horizon of the Trenton limestones [Wisconsin]. Am G 14: 133-134 (1894)

**94a** Alunogen and bauxite of New Mexico, with notes on the geology of the upper Gila region (*abst*). Am G 14: 196 (1894) Am I M Eng, Tr 24: 571-573 (1895)

**94b** The gold of Cripple Creek [Colo.]. Eng M J 57: 30 (1894)

**95** The zinc ore deposits of southwestern New Mexico. Am I M Eng, Tr 24: 187-195, map (1895) Abst, Eng M J 57: 532 (1894)

**95a** Notes on the structure of the franklinite and zinc ore beds of Sussex Co., N. J. Am I M Eng, Tr 24: 521-524 (1895)

**95b** Alunogen and bauxite of New Mexico. Am I M Eng, Tr 24: 571-573 (1895)

**96** Mines and mining [of Arizona]. In Report of the Governor of Arizona to the Secretary of the Interior, 1896: 32-44, Washington 1896

**96a** Cinnabar in Texas. Am I M Eng, Tr 25: 68-76 (1896)

**96b** Notes and recollections concerning the mineral resources of northern Georgia and western North Carolina. Am I M Eng, Tr 25: 796-811 (1896)

**96c** Gypsum beds in southern Arizona. Am G 18: 394 (1896)

**97** Mines and mining [of Arizona]. In Report of the Governor of Arizona to the Secretary of the Interior, 1897: 31-42, Washington 1897

**97a** Gold in granite and plutonic rocks. Am I M Eng, Tr 26: 290-298 (1897) Abst, M Sc Press 73: 296 (1896)

**97b** The Fortuna gold mine, Ariz. Eng M J 63: 664-665 (1897)

**98** Distribution of metallic wealth in Arizona. In Report of the Governor of Arizona to the Secretary of the Interior, 1898: 19-86, Washington, 1898

**98a** Oscillations of level of the Pacific coast of the United States. Am G 21: 164-165 (1898)

**98b** Anthracite coal in Arizona. Am G 21: 345-346 (1898)



**Blake, William Phipps—Continued.**

**98c** Remains of a species of *Bos* in the Quaternary of Arizona. *Am G* 22:65-72 (1898)

**98d** *Bison latifrons* and *Bos arizonica*. *Am G* 22:247-248 (1898)

**98e** Native sodium carbonate [Sonora, Mex.]. *Eng M J* 65:188 (1898)

**98f** Wolframite in Arizona. *Eng M J* 65:608 (1898)

**99** Historical sketch of mining in Arizona. *In* Report of the Governor of Arizona to the Secretary of the Interior, 1899:43-153, Washington 1899

**99a** The Pliocene skull of California and flint implements of Table Mountain. *J G* 7:631-637 (1899)

**99b** Hübnerite in Arizona. *Am I M Eng, Tr* 28:543-546 (1899)

**99c** The occurrence and production of wolframite in Arizona. *Mineral Industry* 7:720-722 (1899)

**00** Glacial erosion and the origin of the Yosemite Valley [Cal.]. *Am I M Eng, Tr* 29:823-835 (1900)

**00a** Remains of the mammoth in Arizona. *Am G* 26:257 (1900)

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**01a** Some salient features in the geology of Arizona with evidences of shallow seas in Paleozoic time. *Am G* 27:130 (*abst*), 160-167 (1901) *Abst, G Soc Am, B* 12:493 (1901); *J G* 9:68-69 (1901)

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**01c** Sketch of mineral wealth of the region adjacent to the Santa Cruz Valley, Ariz. 22 pp, 1901 [not seen]

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**02a** The geology of the Galiuro Mountains, Ariz., and of the gold-bearing ledge known as Gold Mountain. *Eng M J* 73:546-547 (1902)

**02b** Notes on the mines and minerals of Guanajuato, Mex. *Am I M Eng, Tr* 32:216-223 (1902)

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**02d** Tombstone and its mines; a report upon the past and present condition of the mines of Tombstone, Cochise Co., Ariz., to the Development Company of America. 83 pp, N Y 1902

**Blake, William Phipps—Continued.**

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**03a** Arizona diatomite. *Wis Ac Sc, Tr* 14:107-111, il (1903)

**03b** Diatom earth in Arizona. *Am I M Eng, Tr* 33:38-45 (1903)

**03c** Origin of pebble-covered plains in desert regions. *Eng M J* 75:632 (1903) *Am I M Eng* 34:161-162 (1904)

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**04a** Tombstone [Ariz.] and its mines. *Am I M Eng, Tr* 34:668-670 (1904)

**04b** Copper ore and garnet in association. *Am I M Eng, Tr* 34:886-890 (1904) *M Sc Press* 89:72-73 (1904) *M World* 21:175 (1904)

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**04d** Gypsum deposits in Arizona. *U S G S, B* 223:100-101 (1904)

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**07** The flanking detrital slopes of the mountains of the Southwest. *Science n s* 25:975-978, 294 (*abst*) (1907)

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**08a** Tourmaline of Crown Point, N. Y. *Am J Sc* (4) 25:123-124 (1908)

**08b** Note upon the structure of the Santa Catalina gneiss, Ariz. *Science n s* 28:379-380, 382 (*abst*) (1908)

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**Blake, William Phipps—Continued.**

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**93** John Strong Newberry. *Torrey Bot Club*, B 20: 89-98, port (1893)

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**66** Coal Measures in Missouri. *Ac Sc St L*, Tr 2: 311-333 (1866)

**67** Cass Co. *Mo St Bd Agr*, An Rp 2: 226-229 (1867)

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**73a** Geo'ogy of Livingston Co.; ... Clay Co.; ... Platte Co.; ... Buchanan Co.; ... Holt Co.; ... Atchison Co.; ... Nodaway Co. *Mo G S, Prel Rp Iron Ores and Coal Fields*, 1872 pt 2: 209-402 (1873)

**73b** Notes on such rocks of Missouri as admit of a fine polish. *Mo G S, Prel Rp Iron ores and Coal Fields* 1872 pt 2: 414-415 (1873)

**73c** Schedule showing depth of coal seams below given horizons. *Mo G S, Prel Rp Iron Ores and Coal Fields*, 1872 pt 2: 421 (1873)

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**73g** Mineralogy of Cole Co., Mo. *Ac Sc St L*, Tr 3: xxxiii-xxxiv (1873)

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**75c** On a discovery of meteoric iron in Missouri. *Am J Sc* (3) 10: 401 (1875)

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**98a** Major Frederick Hawn. Am G 21: 267-269, port. (1898)

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**00a** British Columbia, West Kootenay sheet, economic minerals and glacial striae. Scale, 4 miles=1 inch. Can G S, An Rp 14 (1900)

**00b** West Kootenay notes [B. C.]. Can M Inst, J 3: 141-144 (1900) Can M Rv 19: 51 (1900)

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**16a** Rock quarrying industry in Minnesota. J G 14: 187-188 (1916)

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**10** The solution of gold in the surface alterations of ore bodies. J G 18: 321-326 (1910)

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**16a** (and **Smith, L. P.**) Zonal weathering of a hornblende gabbro. J G 24: 200-205 (1916)

**16b** A stage attachment for the metallographic microscope. J G 24: 718-719 (1916)

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## Clarke, John Mason—Continued.

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**07f** Lake Champlain (*abst*). Science n s 26:400 (1907)

**07g** Barachois, bar, and tickle. N Y St Educ Dp, B 412 (Secondary Educ B 34):123-131 (1907)

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**08b** Early Devonian history of New York and eastern North America. N Y St Mus, Mem 9:366 pp, maps (1908)

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**10c** Age of the Gaspé sandstone (discussion) G Soc Am, B 20:696-697 (1910)

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**11b** Observations on the Magdalen Islands. N Y St Mus, B 149:134-155 (1911)

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**15b** The Oriskany—Pic d'Aurore episode of the Appalachian Devonian. N Y St Mus, B 177: 147-153 (1915)

**15c** The rifted relict-mountain, a type of "Old Red" orogeny. N Y St Mus, B 177: 155-161 (1915) *Abst*, G Soc Am, B 26: 90-91 (1915)

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**18c** Primary and secondary stresses recorded by the vein systems in the Percé rock. N Y St Mus, B 196: 239-240 (1917) [1918]

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**74** Glossary of a few paleontological terms, the accent and pronunciation of which are not obvious. Cin Q J Sc 1: 285-286 (1874)

**75** Review of the present state of the controversy regarding the motion of the glacier. Cin Q J Sc 2: 72-77, 134-151 (1875)

**77** On the preglacial geography of the region of the Great Lakes. Can Nat n s 8: 187-206 (1877)

**78** On the occurrence of a tree-like fossil plant, *Glyptodendron*, in the Upper Silurian (Clinton) rocks of Ohio. Am J Sc (3) 15: 302-304 (1878) G Mag (2) 5: 558-564 (1878)

**79** Preglacial formation of the beds of the great American lakes. Can Nat n s 9: 213-227 (1879)

**82** Evidence from the drift of Ohio, Indiana, and Illinois, in support of the preglacial origin of the basins of Lakes Erie and Ontario. Am As, Pr 30: 147-159 (1882)

**82a** On the occurrence of an archimedi-form fenestellid in the Upper Silurian rocks of Ohio (*abst*). Am As, Pr 30: 191 (1882)

**83** On *Helicopora*, a new spiral genus (with three species) of North American fenestellids. G Soc London, Q J 39: 30-38, il (1883) *Abst*, G Mag (2) 9: 377-378 (1882)



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**83b** Geological notes: *A*, On an error in identifying two distinct beds of iron ore in Report *G* of the geological survey of Bradford Co.; *B*, Note on the occurrence of *Holoptychius*, about 500 ft. below the recognized top of the Chemung gr., in Bradford Co.; *C*, On a mass of Catskill rocks supposed to exist on the north bank of Towanda Creek, near Franklin; *D*, On two small patches of Catskill represented near Leroy; *E*, On the equivalent of the Schoharie grit of New York, in middle Pennsylvania. *Am Ph Soc, Pr* 20: 529-536 (1883)

**83c** Note on a large fish-plate from the upper Chemung (?) beds of northern Pennsylvania. *Am Ph Soc, Pr* 20: 664-666, il (1883)

**83d** On the Kingsmill white sandstone [Perry Co., Pa.]. *Am Ph Soc, Pr* 20: 666-673, il (1883)

**83e** On a large crustacean from the Catskill group of Pennsylvania (*abst*). *Am As, Pr* 32: 265 (1884) *Science* 2: 327 (1883)

**83f** *Rensselaeria* from the Hamilton group of Pennsylvania (*abst*). *Am As, Pr* 32: 266 (1884) *Science* 2: 327, 471-472 (1883)

**84** Preliminary note on some fossil fishes recently discovered in the Silurian rocks of North America. *Am Nat* 18: 1222-1226 (1884)

**84a** The Perry County fault; note on an important correction in the geological map of Pennsylvania. *Am Ph Soc, Pr* 21: 218-225 (1884)

**84b** On the equivalent of the New York Portage, in Perry Co., middle Pa. *Am Ph Soc, Pr* 21: 230-235 (1884)

**84c** Note on the genus *Rensselaeria* in the Hamilton group in Perry Co., [Pa.]. *Am Ph Soc, Pr* 21: 235-236 (1884)

**84d** Note on a large crustacean from the Catskill group of Pennsylvania [*Dolichocephala lacoana*]. *Am Ph Soc, Pr* 21: 236-239, il (1884)

**84e** On the Clinton and other shales, etc., composing the fifth group of Rogers... [Perry Co., Pa.]. *Am Ph Soc, Pr* 21: 492-502 (1884)

**84f** On the occurrence of the genus *Dalmanites* in the Lower Carboniferous rocks of Ohio. *G Mag* (3) 1: 303-307, il (1884)

**84g** Pennsylvania before and after the elevation of the Appalachian Mountains (*abst*). *Brit As, Rp* 54: 718 (1885) *G Mag* (3) 1: 466-467 (1884)

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**84h** On some remains of fish from the Upper Silurian rocks of Pennsylvania (*abst*). *Brit As, Rp* 54: 733-734 (1885) *G Mag* (3) 1: 519-521 (1884)

**84i** *Dalmanites* in the Lower Carboniferous rocks. *Science* 3: 563 (1884)

**84j** Fish remains in the North American Silurian rocks. *Science* 4: 31 (1884)

**84k** On the Hamilton sandstone of middle Pennsylvania (*abst*). *Am As, Pr* 32: 244-246 (1884)

**84l** [On the crumpling of the earth's crust as shown by a section across Huntingdon, Juniata, and Perry counties in Pennsylvania.] *Science* 4: 258 (1884)

**84m** On some fish remains recently discovered in the Silurian rocks of Pennsylvania (*abst*). *Am As, Pr* 33: 424-428 (1885) *Science* 4: 326 (1884)

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**85d** On the materials of the Appalachians (*abst*). *Am J Sc* (3) 30: 316 (1885) *Science* 6: 221 (1885)

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**86a** The old gorge at Niagara. *Science* 8: 236 (1886)

**86b** Buffalo and Chicago, or "what might have been" [outlet of Great Lakes]. *Am Nat* 20: 856-862 (1886)

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**87b** Preliminary note on some fossil wood from the Carboniferous rocks of Ohio (*abst*). *Am As, Pr* 35: 219-220 (1887)

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- 88b Singular subterranean commotion near Akron, Ohio. Am G 1:190-192 (1888)
- 88c On some investigations regarding the condition of the interior of the earth. Am G 1:382-386; 2:28-35 (1888) *Abst*, Brit As, Rp 58:669-670 (1889)
- 88d [Fossils from the Ohio shale]. Am G 2:62-64 (1888)
- 88e [Earthquake shocks at Charleston, S. C.] Am G 2:135-136 (1888)
- 88f "Lake Cuyahoga"; a study in glacial geology (*abst*). Am As, Pr 36:218 (1888)
- 88g The four great sandstones of Pennsylvania (*abst*). Am As, Pr 36:227 (1888)
- 89 Glaciers and glacial radiants in the ice age. Am G 3:73-94 (1889)
- 89a The story of the Mississippi-Missouri. Am G 3:361-377 (1889)
- 89b Gilsonite or uintaite. Am G 4:386-387 (1889)
- 89c Falls of rock at Niagara. Nature 39:367 (1889)
- 90 Illustration of the "level of no strain" in the crust of the earth. Am G 5:83-88 (1890)
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- 90b Paleontological notes from Indianapolis (A. A. A. S.); *Pterichthys*; *Castoroides*; *Eurysoma*. Am G 6:255-260, il (1890)
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- 91b An episode in the Paleozoic history of Pennsylvania. Am G 8:152-159 (1891)
- 91c On a deep boring near Akron, Ohio, and its significance (*abst*). Am G 8:239 (1891)
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- 92a On the structure of the American pteraspidian, *Palaeaspis* Claypole, with remarks on the family. G Soc London, Q J 48:542-561, il (1892) *Abst*, G Mag (3) 9:380-381 (1892); Am Nat 27:375-376 (1893)
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- 92c A new gigantic placoderm from Ohio. Am G 10:1-4, il (1892)

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- 92d The head of *Dinichthys*. Am G 10:199-207, il (1892)
- 92e The dentition of *Titanichthys* and its allies (*abst*). Am G 10:193 (1892)
- 92f A passage in the history of the Cuyahoga River (*abst*). Am G 10:220 (1892)
- 92g On a deep preglacial river bed near Akron, Ohio (*abst*). Am As, Pr 40:259 (1892)
- 92h An episode in the history of the Cuyahoga River (*abst*). Am As, Pr 41:176 (1892)
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- 93b A new coccostean—*Coccosteus cuyahogae*. Am G 11:167-171 (1893)
- 93c Preglacial man not improbable. Am G 11:191-194 (1893)
- 93d The cladodont sharks of the Cleveland shale. Am G 11:325-331, il (1893)
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- 93f On three new species of *Dinichthys*. Am G 12:275-279, il (1893)
- 93g Prof. G. F. Wright and his critics. Pop Sc Mo 42:764-681 (1893)
- 94 A new species of *Carcinosoma* [Kokomo, Ind.]. Am G 13:77-79, il (1894)
- 94a *Cladodus? magnificus*, a new selachian. Am G 14:137-140, il (1894)
- 94b On a new placoderm, *Brontichthys clarki*, from the Cleveland shale. Am G 14:379-380, il (1894) *Abst*, with discussion by Wm. Clark, Ohio St Ac Sc, An Rp 3:8-9 (1895)
- 94c Structure of the bone of *Dinichthys*. Am Micro Soc, Pr 15:189-191, il (1894)
- 95 On a new specimen of *Cladodus clarki*. Am G 15:1-7, il (1895)
- 95a The Shaw mastodons [southwestern Ohio]. Am G 15:325-326 (1895)
- 95b Recent contributions to our knowledge of the cladodont sharks. Am G 15:363-368 (1895)
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- 95d On an unrecognized coal horizon in northeastern Ohio. Ohio St Ac Sc, An Rp 3:9-12 (1895)
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- 95g The cladodonts of the upper Devonian of Ohio (*abst*). Brit As, Rp 65:694 (1895) G Mag (4) 2:473 (1895)
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**Claypole, Edward Waller—Continued.**

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**08c** The fishes of the Rocky Mountain region. *Colo Univ Studies* 5:159-178, il (1908)

**08d** A fossil leaf-cutting bee [*Megachile prædicta*, Florissant, Colo.] *Can Entomologist* 40:31-32 (1908)

**08e** Fossil Chrysopidæ [Florissant, Colo.]. *Can Entomologist* 40:90-91 (1908)

**08f** Two fossil Diptera [Florissant, Colo.]. *Can Entomologist* 40:173-175, il (1908)

**08g** Fossil Osmylidae (Neuroptera) in America. *Can Entomologist* 40:341-342 (1908)

**08h** The first American fossil *Mantis* [*Lithophotina floccosa*, Florissant, Colo.]. *Can Entomologist* 40:343-344, il (1908)

**08i** A fossil Orthopterous insect with the media and cubitus fusing [*Palæorehnia maculata*, Florissant, Colo.]. *Entom News* 19:126-128 (1908)

**08j** Descriptions of Tertiary plants [Florissant, Colo.]. *Am J Sc* (4) 26:65-68, 537-544; 29:76-78, il (1908-10)

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**08s** The dipterous family Nemestrinidæ. *Am Entom Soc*, Tr 34:247-253, il (1908)

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**08u** A fossil fly of the family Blepharoceridæ [*Philorites johannseni*, Eocene near Rifle, Colo.]. *Entomologist* 41:262-265, il (1908)

**09** A fossil ground sloth in Colorado. *Colo Univ Studies* 6:309-312, il (1909)

**09a** Fossil Diptera from Florissant, Colo. *Am Mus N H*, B 26:9-12, il (1909)

**Cockerell, Theodore Dru Allison—Contd.**

**09b** Fossil insects from Florissant, Colo. *Am Mus N H*, B 26:67-76, il (1909)

**09c** Another fossil tsetse fly [*Glossina osborni*, Florissant, Colo.]. *Nature* 80:128 (1909)

**09d** New fossil insects from Florissant, Colo. *Entom Soc Am*, An 2:251-256, il (1909)

**09e** Two fossil bees [Florissant, Colo.]. *Entom News* 20:159-161 (1909)

**09f** Fossil insects from Colorado. *Entomologist* 42:170-174, il (1909)

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**09h** New North American bees [Includes *Melitta willardi*, Florissant, Colo.]. *Can Entomologist* 41:393-395 (1909)

**09i** A catalogue of the generic names based on American insects and arachnids from the Tertiary rocks, with indications of the type species. *Am Mus N H*, B 26:77-86 (1909)

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**09l** Fossil Euphorbiacæ, with a note on Saururacæ. *Torrey* 9:117-119, il (1909)

**09m** Amber in the Laramie Cretaceous. *Torrey* 9:140-142, il (1909)

**09n** Two new fossil plants from Florissant, Colo. *Torrey* 9:184-185, il (1909)

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**10a** The Miocene trees of the Rocky Mountains. *Am Nat* 44:31-47, il (1910)

**10b** Fossil insects and a crustacean from Florissant, Colo. *Am Mus N H*, B 28:275-288, il (1910)

**10c** The fossil Crabronidæ. *Entomologist* 43:60-61 (1910)

**10d** A Tertiary leaf-cutting bee. *Nature* 82:429, il (1910)

**10e** *Magnolia* at Florissant. *Torrey* 10:64-65, il (1910)

**10f** Notes on the genus *Sambucus*. *Torrey* 10:125-128, il (1910)

**10g** A fossil fig [*Ficus bruesi*, Florissant, Colo.]. *Torrey* 10:222-224, il (1910)

**11** Fossil insects from Florissant, Colo. *Am Mus N H*, B 30:71-82, il (1911)

**11a** Descriptions and records of bees [Includes *Lithanthidium pertriste*, Florissant, Colo.]. *An Mag N H*, (8) 7:225-237 (1911)

**11b** Note on *Lymnæa florissantica*. *Nautilus* 25:24 (1911)

**11c** Additional note on reticulated fish scales [*Sagenodus*, Mazon Creek, Ill.]. *Science n s* 34:126-127 (1911)

**11d** Samuel Hubbard Scudder. *Science n s* 34:338-342 (1911)



**Cockerell, Theodore Dru Alison—Contd.**

**11e** Fossil flowers and fruits. *Torreya* 11: 234-236; 12: 32-33; 13: 75-77, il (1911-13)

**11f** New names in *Ilex*. *Torreya* 11: 264 (1911)

**11g** The name *Glossina* [preoccupied for a brachiopod, *Palæoglossa* proposed]. *Nautilus* 25: 96 (1911)

**11h** Scudder's work on fossil insects. *Psyche* 18: 181-186 (1911)

**12** The Miocene fauna of Florissant, Colo. (*abst.*). Int Zool Cong, VII, Boston, 1907, Pr: 745-747 (1912)

**12a** (and **Henderson, Junius**). Mollusca from the Tertiary strata of the West. *Am Mus N H, B* 31: 229-234, il (1912)

**12b** The oldest American homopterous insect [*Petropteron mirandum* from Pierre formation at Boulder, Colo.]. *Can Entomologist* 44: 93-95, il (1912)

**12c** A fossil *Raphidia* [Florissant, Colo.]. *Entom News* 23: 215-216, il (1912)

**12d** Fossil cockroaches from Texas (Orthop.). *Entom News* 23: 228-229 (1912)

**13** The genera *Parotermes* and *Hodotermes* (Isoptera). *Entom News* 24: 6-8 (1913)

**13a** The first fossil anthomyid fly from Florissant (Dipt.). *Entom News* 24: 295-296 (1913)

**13b** The fauna of the Florissant, Colo., shales. *Am J Sc* (4) 36: 498-500 (1913)

**13c** Ordovician (?) fish remains in Colorado. *Am Nat* 47: 246-247 (1913)

**13d** Some fossil insects from Florissant, Colo. *U S Nat Mus, Pr* 44: 341-346, il (1913)

**13e** Two fossil insects from Florissant, Colo., with a discussion of the venation of the aeshnine dragon flies. *U S Nat Mus, Pr* 45: 577-583, il (1913)

**13f** The genus *Phryganea* (Trichoptera) in the Florissant shales. *Psyche* 20: 95-96 (1913)

**13g** Remarks on fossil insects (*abst.*, with discussion). *Entom Soc Wash, Pr* 15: 123-128 (1913)

**13h** The first fossil mydoid fly. *Entomologist* 46: 207-208 (1913)

**13i** A fossil asilid fly from Colorado. *Entomologist* 46: 213-214 (1913)

**13j** Some fossil insects from Florissant, Colo. *Can Entomologist* 45: 229-233, il (1913)

**13k** Observations on fish scales. *U S Bur Fisheries, B* 32: 117-174, il (1913)

**14** Tertiary Mollusca from New Mexico and Wyoming. *Am Mus N H, B* 33: 101-107, il (1914)

**14a** The fossil and recent Bombyliidae compared. *Am Mus N H, B* 33: 229-236, il (1914)

**14b** Land shells from the Tertiary of Wyoming. *Am Mus N H, B* 33: 323-325, il (1914)

**Cockerell, Theodore Dru Alison—Contd.**

**14c** The fossil Orthoptera of Florissant, Colo. *Entomologist* 47: 32-34, il (1914)

**14d** A new fossil sawfly from Florissant, Colo. [*Tenthredella toddi*]. *Can Entomologist* 46: 32 (1914)

**14e** Three Diptera from the Miocene of Colorado. *Can Entomologist* 46: 101-102 (1914)

**14f** New and little-known insects from the Miocene of Florissant, Colo. *J G* 22: 714-724, il (1914)

**14g** Two new plants from the Tertiary rocks of the West. *Torreya* 14: 135-137, il (1914)

**14h** Some fossil fish scales. *Zool Anzeiger* 45: 189-192, il (1914)

**15** Gastropod Mollusca from the Tertiary strata of the West. *Am Mus N H, B* 34: 115-120, il (1915)

**15a** New species of *Unio* from the Tertiary rocks of Wyoming. *Am Mus N H, B* 34: 121-126, il (1915)

**15b** Miocene fossil insects. *Ac N Sc Phila, Pr* 66: 634-648, il (1915)

**15c** Notes on orchids [includes *Antholithes pediloides*, from Florissant, Colo.]. *Bot Gaz* 59: 331-333, il (1915)

**15d** *Equisetum* in the Florissant Miocene. *Torreya* 15: 265-267, il (1915)

**15e** A fossil fungus-gnat [*Mycetophila bradenae* from Florissant, Colo.]. *Can Entomologist* 47: 159 (1915)

**15f** The Solenopsidae. *Nautilus* 29: 84 (1915)

**15g** Fossil insects and evolution (*abst.*). *Science n s* 42: 624 (1915)

**15h** Fossil Tertiary Mollusca of the Rocky Mountain region (*abst.*). *Science n s* 42: 660 (1915)

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**33** On some new fossil and recent shells of the United States. Am J Sc 23:339-346 (1833)

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**34a** Descriptions of new Tertiary fossils from the Southern States. Ac N Sc Phila, J 7:130-157 (1834)

**35** Observations on the Tertiary strata of the Atlantic coast. Am J Sc 28:104-111, 280-282 (1835)



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**37a** (with Mather, W. W.) Queries proposed by the geologists of the new survey of the State of New York. Am J Sc 33:124-133 (1837)

**38** Fossils of the Tertiary formations of the United States ... xvi, 86 pp, il, Phila 1838 Republished by W. H. Dall, xviii, 136 pp, il, Phila 1893

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**40b** On the geognostic position of the *Zeuglodon*, or *Basilosaurus* of Harlan. Am J Sc 38:381-382 (1840)

**40c** New fossil shells from North Carolina. Am J Sc 39:387-388 (1840)

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**41a** [Descriptions of Tertiary fossils from the Carolinas]. Am J Sc 41:344-348, il (1841) As Am G, Rp:108-111, il (1843)

**41b** [On new species of fossil shells from the medial Tertiary deposits of Calvert Cliffs, Md.]. Ac N Sc Phila, Pr 1:28-33 (1841)

**42** Description of twenty-four new species of fossil shells, chiefly from the Tertiary deposits of Calvert Cliffs, Md. Ac N Sc Phila, J 8:183-190 (1842)

**42a** Observations on the Silurian and Devonian systems of the United States, with descriptions of new organic remains. Ac N Sc Phila, J 8:228-280, il (1842)

**42b** Observations on a portion of the Atlantic Tertiary region, with a description of new species of organic remains. Nat Inst Washington, D C., Pr 2:171-194 (1842)

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**43** Descriptions of a new genus and of twenty-nine new Miocene, and one Eocene, fossil shells of the United States. Ac N Sc Phila, Pr 1:305-311 (1843)

**43a** Descriptions of nineteen species of Tertiary fossils of Virginia and North Carolina. Ac N Sc Phila, Pr 1:323-329 (1843)

**43b** Observations on the lead-bearing limestone of Wisconsin and descriptions of a new genus of trilobites and fifteen new Silurian fossils. Ac N Sc Phila, Pr 1:329-335 (1843)

**44** Descriptions of eight new fossil shells of the United States. Ac N Sc Phila, Pr 2:173-175 (1844)

**46** Descriptions of new species of fossil and recent shells and corals. Ac N Sc Phila, Pr 3:19-27, il (1846)

**46a** Observations on the Eocene formation of the United States, with descriptions of species of shells, etc., occurring in it. Additional remarks [on corals], by J. D. Dana (pp. 220-221). Am J Sc (2) 1:209-220, 395-405, il (1846)

**46b** Observations on the geology of a part of east Florida. Am J Sc (2) 2:36-48 (1846)

**46c** Tertiary of Warren Co., Miss. Am J Sc (2) 2:124-125 (1846)

**46d** Eocene formation of the Walnut Hills, etc., Miss. Am J Sc (2) 2:210-215 (1846)

**46e** Descriptions of new species of organic remains from the upper Eocene limestone of Tampa Bay, Fla. Am J Sc (2) 2:399-400 (1846)

**47** Observations on the Eocene formation, and description of one hundred and five new fossils of that period, from the vicinity of Vicksburg, Miss. Ac N Sc Phila, Pr 3:280-299 (1847); J (2) 1:111-134, il (1848)

**48** Fossil shells from Tertiary deposits on Columbia River, near Astoria. Am J Sc (2) 5:432-433, il (1848) U S G S, P P 59:150-151, il (1909)

**49** Descriptions of new fossil and recent shells of the United States. Ac N Sc Phila, J (2) 1:207-209 (1849)

**49a** Fossils from northwestern America (fossil shells of Astoria, Oreg.) In Dana, J. D., Geology, vol. x of the United States exploring expedition...under Charles Wilkes: 723-728, Phila 1849

**50** Descriptions of one new Cretaceous and seven new Eocene fossils. Ac N Sc Phila, J (2) 2:39-41, il (1850)

**52** Remarks on the Tertiary strata of St. Domingo and Vicksburg, Miss. Ac N Sc Phila, Pr 6:198-199 (1852)

**52a** Notes on shells, with descriptions of new species. Ac N Sc Phila, Pr 6:199-200 (1852) U S G S, P P 59:158 (1909)



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**53** Monograph of the genus *Fulgur*. Ac N Sc Phila, Pr 6:316-319 (1853)

**53a** Notes on shells. Ac N Sc Phila, Pr 6:320-321 (1853)

**53b** Synopsis of the genera *Cassidula*, *Humph.*, and of a proposed new genus *Athleta*. Ac N Sc Phila, Pr 6:448-449 (1853)

**53c** Descriptions of new fossil shells of the United States. Ac N Sc Phila, J (2) 2:273-276, il (1853) U S G S, P P 59:159-161 (1909)

**54** Descriptions of new fossil shells of the United States. Ac N Sc Phila, J (2) 2:299-300 (1854)

**54a** Rectification of the generic names of Tertiary fossil shells. Ac N Sc Phila, Pr 7:29-31 (1854)

**54b** Notes on shells, with descriptions of three recent and one fossil species. Ac N Sc Phila, Pr 7:31-32 (1854) U S G S, P P 59:162 (1909)

**55** Report on the fossil shells collected in California by W. P. Blake, geologist of the expedition under the command of Lieutenant R. S. Williamson. U S, Pacific R R Expl (U S, 33d Cong 1st sess, H Ex Doc 129) Appendix to the preliminary geological report of W. P. Blake:5-20 (1855) *In part*, Am J Sc (2) 21:268-270 (1856) U S G S, P P 59:163-171 (1909)

**55a** Observations on the Eocene deposit of Jackson, Miss., with descriptions of thirty-four new species of shells and corals. Ac N Sc Phila, Pr 7:257-263 (1855)

**55b** Descriptions of eighteen new Cretaceous and Tertiary fossils, etc. Ac N Sc Phila, Pr 7:265-268 (1855)

**55c** Description of one Tertiary and eight new Cretaceous fossils from Texas... Ac N Sc Phila, Pr 7:268-269 (1855)

**55d** Description of a new species of *Pentamerus*. Ac N Sc Phila, Pr 7:441 (1855)

**55e** Note on the Miocene and post-Pliocene deposits of California, with descriptions of two new fossil corals. Ac N Sc Phila, Pr 7:441 (1855) U S G S, P P 59:172 (1909)

**56** Description of the Tertiary fossils collected on the survey [Williamson's survey in California and Oregon]. U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 6 pt 2:69-73, il (1856) U S G S, P P 59:176-179 (1909)

**56a** Report on the paleontology of the survey [Parke's surveys in California]. U S, Pacific R R Expl (U S, 33d Cong, S Ex Doc 78 and H Ex Doc 91) 7 pt 2:189-196, il (1856) U S G S, P P 59:180-185 (1909)

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**56b** Descriptions of three new genera; twenty-three new species middle Tertiary fossils from California, and one from Texas. Ac N Sc Phila, Pr 8:312-316 (1856) U S G S, P P 59:173-175 (1909)

**57** Descriptions of the fossil shells [Williamson's reconnaissance in California]. U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 5 pt 2:317-329, il (1857) [See also Blake (W P), 57]

**57a** Descriptions of Cretaceous and Tertiary fossils. *In* Emory, W H., Report on the United States and Mexican boundary survey... (U S, 34th Cong 1st sess, S Ex Doc 108 and H Ex Doc 135), v 1 pt 2:141-174, il (1857)

**57b** Descriptions of two new genera of shells. Ac N Sc Phila, Pr 1857:165-166

**57c** Rectification of some of the generic names of American Tertiary fossils. Ac N Sc Phila, Pr 1857:166

**57d** Descriptions of a new species of *Myacites* [Triassic, Pennsylvania]. Ac N Sc Phila, Pr 1857:166

**58** Observations on a group of cretaceous fossil shells, found in Tippah Co., Miss., with descriptions of fifty-six new species. Ac N Sc Phila, J (2) 3:323-336, il (1858)

**60** (and Gabb, W. M.) Illustrations of some fossils described in the Proceedings of the Academy of Natural Sciences. Ac N Sc Phila, Pr 1860:55, il

**60a** Notes on shells. Ac N Sc Phila, Pr 1860:231-232

**60b** Descriptions of new species of Cretaceous and Eocene fossils of Mississippi and Alabama. Ac N Sc Phila, J (2) 4:275-298, il (1860)

**62** Descriptions of new genera, subgenera, and species of Tertiary and Recent shells. Ac N Sc Phila, Pr 1862:284-291

**62a** Catalogue of the Miocene shells of the Atlantic slope. Ac N Sc Phila, Pr 1862:559-582

**62b** Descriptions of new, Recent, and Miocene shells. Ac N Sc Phila, Pr 1862:583-586

**64** Notes on shells, with descriptions of new fossil genera and species. Ac N Sc Phila, Pr 1864:211-214, il

**65** Observations on the Eocene lignite formation of the United States. Ac N Sc Phila, Pr 1865:70-73 Am J Sc (2) 40:265-268 (1865)

**65a** Catalogue of the Eocene Annulata, Foraminifera, Echinodermata, and Cirripedia of the United States. Ac N Sc Phila, Pr 1865:73-75

**65b** Descriptions of new species of Echinidae. Ac N Sc Phila, Pr 1865:75

**65c** Observations on American fossils, with descriptions of two new species. Ac N Sc Phila, Pr 1865:184



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**65d** Catalogue of the Eocene and Oligocene Testacea of the United States. *Am J Conch* 1:1-35 (1865)

**65e** Descriptions of new Eocene shells from Enterprise, Miss. *Am J Conch* 1:137-141, 149, il (1865)

**65f** Descriptions of new Eocene shells of the United States. *Am J Conch* 1:142-149, il (1865)

**65g** Catalogue of the older Eocene shells of Oregon. *Am J Conch* 1:150-154 (1865)

**65h** Descriptions of new Eocene shells, and references with figures to published species. *Am J Conch* 1:210-212, 215, il (1865)

**65i** Descriptions of five new species of older Eocene shells from Shark River, Monmouth Co., N. J. *Am J Conch* 1:213-215, il (1865)

**65j** Observations on certain Eocene fossils described as Cretaceous by Mr. W. M. Gabb... *Am J Conch* 1:362-365 (1865)

**66** Check list of the invertebrate fossils of North America; Eocene and Oligocene. *Smiths Misc Col* 7 (200):41 pp (1866)

**66a** [Chalk at Smoky Hill, Colo.] *Smiths Inst, An Rp* 1865:125 (1866)

**66b** Illustrations of Miocene fossils with descriptions of new species. *Am J Conch* 2:65-74, il (1866)

**66c** Note on the genus *Gadus*, with descriptions of some new genera and species of American fossil shells. *Am J Conch* 2:75-78 (1866)

**66d** Further observations on Mr. Gabb's Paleontology of California. *Am J Conch* 2:97-100 (1866)

**66e** Observations on recent and fossil shells, with proposed new genera and species. *Am J Conch* 2:101-103 (1866)

**66f** Descriptions of new species of Tertiary, Cretaceous, and recent shells. *Am J Conch* 2:104-106 (1866)

**66g** Notice of a new group of Eocene shells. *Am J Sc* (2) 41:96 (1866)

**67** Tertiary of North and South Carolina. *Am J Sc* (2) 43:260 (1867)

**67a** ... on the Cretaceous rocks of California. *Am J Sc* (2) 44:376-377 (1867)

**67b** Paleontological miscellanies. *Am J Conch* 3:5-7 (1867)

**67c** Descriptions of new genera and species of fossil shells. *Am J Conch* 3:8-16 (1867)

**67d** Synopsis of the genera *Sycotypus* Browne and *Busycon* Bolten. *Am J Conch* 3:182-185 (1867)

**67e** Descriptions of new Miocene shells. *Am J Conch* 3:186-187 (1867)

**67f** Notes on fossil shells and descriptions of new species. *Am J Conch* 3:188-190 (1867)

**Conrad, Timothy Abbott—Continued.**

**68** Descriptions of new genera and species of Miocene shells, with notes on other fossil and recent species. *Am J Conch* 3:257-270, il (1868)

**68a** Descriptions of Miocene shells of the Atlantic slope. *Am J Conch* 4:64-68, il (1868)

**68b** Synopsis of invertebrate fossils [Cretaceous and Eocene]. *N J G S, G N J*:721-732 (1868)

**69** Notes on American fossiliferous strata [New Jersey]. *Am J Sc* (2) 47:358-364 (1869)

**69a** Notes on recent and fossil shells, with descriptions of new genera. *Am J Conch* 4:246-249 (1869)

**69b** Descriptions of and references to Miocene shells of the Atlantic slope, and descriptions of two new supposed Cretaceous species. *Am J Conch* 4:278-279 (1869)

**69c** Description of a new *Unio* and fossil *Goniobasis*. *Am J Conch* 4:280, il (1869)

**69d** Descriptions of Miocene, Eocene, and Cretaceous shells. *Am J Conch* 5:39-45, il (1869)

**69e** Observations on the genus *Astarte*, with descriptions of three other genera of Crassatellidæ. *Am J Conch* 5:46-48 (1869)

**69f** Descriptions of new fossil Mollusca, principally Cretaceous. *Am J Conch* 5:96-103, il (1869)

**70** Notes on recent and fossil shells, with descriptions of new species. *Am J Conch* 6:71-78, il (1870)

**70a** On the mixture of Cretaceous and Eocene fossils. *Am J Sc* (2) 49:275 (1870)

**71** On the Eocene beds of Utah. *Am J Sc* (3) 1:381-383 (1871)

**71a** On some points connected with the Cretaceous and Tertiary of North Carolina. *Am J Sc* (3) 1:468-469 (1871)

**71b** Descriptions of new Tertiary fossils, with notes on two genera of Lamellibranchiata. *Am J Conch* 6:199-201, il (1871)

**71c** Paleontological notes. *Am J Conch* 6:314-315 (1871)

**72** Descriptions and illustrations of genera of shells. *Ac N Sc Phila, Pr* 1872:50-55, il

**72a** Descriptions of a new Recent species of *Glycimeris* from Beaufort, N. C., and of Miocene shells of North Carolina. *Ac N Sc Phila, Pr* 1872:216-217

**74** Descriptions of new mollusks from Cretaceous beds of Colorado. *U S G Geog S Terr, An Rp* [7]:455-456 (1874)

**75** [Descriptions of Haploscapheae from Niobrara beds.] *U S G S Terr* (Hayden), *Rp* 2:23-24 (1875)



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**77a** Note on a cirripede of the California Miocene, with remarks on fossil shells. Ac N Sc Phila, Pr 1876:273-275 (1877)

**77b** On certain generic names proposed by Zittel, Stoliczka, and Zekeli. Ac N Sc Phila, Pr 1877:22-23

**77c** Notes on shells. Ac N Sc Phila, Pr 1877:24-25

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**12** (with **Richardson, C. H.**) The terranes of Irasburg, Vt. Vt St G, Rp 8:141-161 (1912)

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**74a** (and **Smock, J. C.**) [Map of] northern New Jersey showing the iron-ore and limestone districts. Scale 2 miles to 1 inch. N J G S, 1874



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**79a** On the southern limit of the last glacial drift across New Jersey, and the adjacent parts of New York and Pennsylvania. Am I M Eng, Tr 6:467-470, map (1879)

**83a** The change of relative level of the ocean and the uplands on the eastern coast of North America (*abst*). Am As, Pr 31: 400-408 (1883)

**84a** Unconformability between the Upper and Lower Silurian formations in New Jersey, bearing on the question as to the limits of the Green Mountain disturbance. Am J Sc (3) 27:153 (1884)

**85a** Sketch of the geology of the Cretaceous and Tertiary formations of New Jersey. U S G S, Mon 9:ix-xii (1885)

**88** (and **Cope, E. D.**) Report of the subcommittee on the Mesozoic. In International Congress of Geologists, American Committee, Reports ... E 16 pp, Phila 1888 Am G 2:257-268 (1888) Int G Cong, IV, London 1888, C R App A:159-173 (1891)

**88a** On the international geological congress and our part in it as American geologists. Science 12:92-93 (1888) Am As, Pr 37:159-177 (1889)

**89a** Geological map of New Jersey. Scale 5 miles to 1 inch. Atlas sheet no 20 in Atlas of New Jersey. N J G S (1889) See also Hawes, 84

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**09** Notice of a new camel from the lower Miocene of Nebraska [*Oxydactylus campestris*]. Am Nat 43:188-189 (1909)

**09a** A new proboscidean from the lower Miocene of Nebraska [*Gomphotherium conodon*]. Am J Sc (4) 28:183-184, il (1909)

**09b** A new genus of rhinoceros from Sioux Co., Nebr [*Metacoenopus egregius*]. Nebr G S 3:243-248, il (1909)

**09c** Some new Carnivora from the lower Miocene beds of western Nebraska. Nebr G S 3:259-272, il [1909?]

**09d** (with **Matthew, W. D.**) A Pliocene fauna from western Nebraska. Am Mus N H, B 26:361-414 (1909)

**12** A new genus and species of rhinoceros, *Epiaphelops virgasectus*, from the lower Miocene of Nebraska. Nebr G S 7:21-22, il (1912)

**12a** A new species of rhinoceros, *Dicatherium loomisi*, from the lower Miocene of Nebraska. Nebr G S 7:29-32, il (1912)

**Cook, Harold James—Continued.**

**12b** Faunal lists of the Tertiary formations of Sioux Co., Nebr. Nebr G S 7:33-45 (1912)

**12c** Notice of a new genus of rhinoceros from the lower Miocene [*Epiaphelops virgasectus*]. Science n s 35:219-220 (1912)

**14** Note on the occurrence of the mammoth in Sioux Co., Nebr. Nebr G S 7:47-48, il (1914)

**14a** A new canid from the lower Pliocene of Nebraska, *Tephrocyon mortifer*. Nebr G S 7:49-50, il (1914)

**14b** (with **Barbour, E. H.**) Two new fossil dogs of the genus *Cynarctus* from Nebraska. Nebr G S 4:225-227, il (1914)

**15** Note on the dentition of *Amphicyon amnicola*, a gigantic fossil dog. Nebr G S 7:57-58, il (1915)

**15a** Notes on the geology of Sioux Co., Nebr., and vicinity. Nebr G S 7:59-75 (1915)

**15b** (with **Barbour, E. H.**) A new saber-toothed cat from Nebraska. Nebr G S 4:235-238, il (1915)

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**17a** (with **Barbour, E. H.**) Notes on the skull of *Meteoreodon*. Nebr G S 7:165-172, il (1917)

**17b** (with **Barbour, E. H.**) Skull of *Aelurodon platyrhinus* sp. nov. Nebr G S 7:173-180, il (1917)

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**14** Lowering of the ground-water table. Kans Ac Sc, Tr 26:84-86 (1914)

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**14** (with **Vaughan, T. W.**) Correlation of the Hawthorn formation. Wash Ac Sc, J 4:250-253 (1914)

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**Cope, Edward Drinker—Continued.**

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**74g** [Remarks on fishes from the coal measures at Linton, Ohio.] Ac N Sc Phila, Pr 1873:417-419 (1874)

**74h** [On vertebrate fossils from the Miocene of Colorado. Ac N Sc Phila, Pr 1873:419-420 (1874)

**74i** [On the Cretaceous age of the lignites of the West.] Ac N Sc Phila, Pr 1874:10-11, 12-13

**74j** [On *Symborodon* from the Miocene of Colorado.] Ac N Sc Phila, Pr 1874:89-90

**74k** [On *Otenodus*, a dipnoan fish, from the coal measures of Ohio.] Ac N Sc Phila, Pr 1874:91-92

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**77e** On some extinct reptiles and Batrachia from the Judith River and Fox Hills beds of Montana. *Ac N Sc Phila*, Pr 1876:340-359 (1877)

**77f** Cretaceous vertebrates of the upper Missouri. *Ac N Sc Phila*, Pr 1876:266 (1877)

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**77g** Vertebral column of an *Elasmosaurus* [*E. serpentinus*]. *Am Ph Soc*, Pr 16:393-394 (1877)

**77h** A continuation of researches among the Batrachia of the Coal Measures of Ohio. *Am Ph Soc*, Pr 16:573-578 (1877) *Pal B* no 24:573-578 (1877)

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**77r** The dentition of the herbivorous Dinosauria of the lignitic period. *Am Nat* 11:311-312 (1877)

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**77t** On the classification of the recent and fossil fishes (*abst*). *Am Nat* 11:501 (1877)

**77u** New fossil fishes from Wyoming (*abst*). *Am Nat* 11:570 (1877)

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**78a** Professor Owen on the Pythonomorpha. *U S G Geog S Terr* (Hayden), B 4:299-311 (1878)

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**78f** On some new or little known reptiles and fishes of the Cretaceous No. 3, of Kansas. Am Ph Soc, Pr 17:176-181 (1878) Pal B no 26:176-181 (1877)

**78g** Descriptions of extinct Vertebrata from the Permian and Triassic formations of the United States. Am Ph Soc, Pr 17:182-193 (1878) Pal B no 26:182-193 (1877)

**78h** On reptilian remains from the Dakota beds of Colorado. Am Ph Soc, Pr 17:193-196 (1878) Pal B no 26:193-196 (1877)

**78i** Descriptions of new Vertebrata from the upper Tertiary formations of the West. Am Ph Soc, Pr 17:219-231 (1878) Pal B no 28:219-231 (1878)

**78j** On some saurians found in the Triassic of Pennsylvania. Am Ph Soc, Pr 17:231-232 (1878) Pal B no 28:231-232 (1878)

**78k** On the Vertebrata of the Dakota epoch of Colorado. Am Ph Soc, Pr 17:233-247 (1878) Pal B no 28:233-247 (1878)

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**78r** A new genus of Dinosauria from Colorado [*Hypsirophus discurus*]. Am Nat 12:188-189 (1878)

**78s** A new deer from Indiana [*Cariacus dolichopsis*]. Am Nat 12:189 (1878)

**78t** [Review of] contributions to the fossil flora of the western territories; Part II, The Tertiary flora by L. Lesquereux. Am Nat 12:243-246 (1878)

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**78y** Prof. Marsh on Permian reptiles. Am Nat 12:406-408 (1878)

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**78za** A new species of *Amphicoelias* [*A. fragillimus*]. Am Nat 12:563-564, il (1878)

**78zb** A new *Diadectes* [*D. molaris*]. Am Nat 12:565 (1878)

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**79a** Observations on the faunae of the Miocene Tertiaries of Oregon. U S G Geog S Terr (Hayden) B 5:55-69 (1879)

**79b** On the extinct species of Rhinocerotidae of North America and their allies. U S G Geog S Terr (Hayden), B 5:227-237 (1879)

**79c** On some of the characters of the Miocene fauna of Oregon. Am Ph Soc, Pr 18:63-78 (1879) Pal B no 30:16 pp (1878)

**79d** On the genera of Felidae and Canidae. Ac N Sc Phila, Pr 1879:168-194 An Mag N H (5) 5:36-45, 92-107 (1880)

**79e** The necks of the Sauropterygia. Am Nat 13:132 (1879)

**79f** The origin of the specialized teeth of the Carnivora. Am Nat 13:171-173 (1879)

**79g** *Merycopater* and *Hoplophoneus*. Am Nat 13:197 (1879)

**79h** A new genus of Perissodactyla [*Anchisodon*]. Am Nat 13:270-271 (1879)

**79i** A new genus of Ichthyopterygia. Am Nat 13:271 (1879)

**79j** The *Amyzon* Tertiary beds [Nev.]. Am Nat 13:332 (1879)

**79k** A sting ray from the Green River shales of Wyoming. Am Nat 13:333 (1879)

**79l** American Aceratheria. Am Nat 13:333-334 (1879)

**79m** The lower jaw of *Loxolophodon*. Am Nat 13:334 (1879)

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**79p** On the extinct American rhinoceroses and their allies. Am Nat 13:771a-771j, il (1879)



## Cope, Edward Drinker—Continued.

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**79r** [A vertebrate collecting trip.] *Am Nat* 13:798a-798b (1879)

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**80c** [Observations on fossil vertebrates from California. *Am Nat* 14:62 (1880)

**80d** Hill's Kansas explorations. *Am Nat* 14:141-142 (1880)

**80e** Notes on sabre-teeth. *Am Nat* 14:142-143 (1880)

**80f** A new *Hippidium* [*H. spectans* from the Loup Fork beds of Oregon]. *Am Nat* 14:223 (1880)

**80g** The *Manti* beds of Utah. *Am Nat* 14:303-304 (1880)

**80h** The skull of *Empedocles*. *Am Nat* 14:304 (1880)

**80i** A new genus of tapiroids [*Triplopus cubitalis*]. *Am Nat* 14:382-383 (1880)

**80j** The structure of the Permian Ganocephala. *Am Nat* 14:383-384 (1880)

**80k** Corrections of the geological maps of Oregon. *Am Nat* 14:457-458 (1880)

**80l** A new genus of Rhinocerotidae [*Peraceras*]. *Am Nat* 14:540 (1880)

**80m** Extinct Batrachia. *Am Nat* 14:609-610 (1880)

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**80o** The badlands of the Wind River and their fauna. *Am Nat* 14:745-748 (1880)

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**81a** On a wading bird from the *Amyzon* shales. *U S G Geog S Terr* (Hayden), B 6:83-85 (1881)

## Cope, Edward Drinker—Continued.

**81b** On the Nimravidae and Canidae of the Miocene period. *U S G Geog S Terr* (Hayden), B 6:165-181 (1881)

**81c** On the Vertebrata of the Wind River Eocene beds of Wyoming. *U S G Geog S Terr* (Hayden), B 6:183-202 (1881)

**81d** Review of the Rodentia of the Miocene period of North America. *U S G Geog S Terr* (Hayden), B 6:361-386 (1881)

**81e** On the Canidae of the Loup Fork epoch. *U S G Geog S Terr* (Hayden), B 6:387-390 (1881)

**81f** Second contribution to the history of the Vertebrata of the Permian formation. *Am Ph Soc, Pr* 19:38-58, il (1881) *Pal B no* 32:22 pp, il (1880, 1881)

**81g** On certain Tertiary strata of the Great Basin. *Am Ph Soc, Pr* 19:60-62 (1881)

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**81l** Mammalia of the lower Eocene beds. *Am Nat* 15:337-338 (1881)

**81m** Miocene dogs. *Am Nat* 15:497 (1881)

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**81q** The temporary dentition of a new creodont [*Triisodon quivirensis*]. *Am Nat* 15:667-669 (1881)

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**81u** Eocene Plagiaulacidae. *Am Nat* 15:921-922 (1881)

**81v** *Belodon* in New Mexico. *Am Nat* 15:922-923 (1881)

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**81y** Notes on Creodonta. *Am Nat* 15:1018-1020 (1881)



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- 82** On some Mammalia of the lowest Eocene beds of New Mexico. *Am Ph Soc, Pr* 19:484-495 (1882) *Pal B no* 33:484-495 (1881)
- 82a** Contributions to the history of the Vertebrata of the lower Eocene of Wyoming and New Mexico, made during 1881. *Am Ph Soc, Pr* 20:139-197 (1882) *Pal B no* 34:139-197 (1882)
- 82b** The classification of the ungulate Mammalia. *Am Ph Soc, Pr* 20:438-447, il (1882) *Pal B no* 35:438-447, il (1882)
- 82c** Third contribution to the history of the Vertebrata of the Permian formation of Texas. *Am Ph Soc, Pr* 20:447-461 (1882) *Pal B no* 35:447-461 (1882)
- 82d** Synopsis of the Vertebrata of the Puerco Eocene epoch. *Am Ph Soc, Pr* 20:461-471 (1882) *Pal B no* 35:461-471 (1882)
- 82e** On the systematic relations of the Carnivora Fissipedia. *Am Ph Soc, Pr* 20:471-475 (1882) *Pal B no* 35:471-475 (1882)
- 82f** On the Condylarthra. *Ac N Sc Phila, Pr* 1882:95-97 *Am Mag N H* (5) 10:76-79 (1882)
- 82g** The oldest artiodactyle [*Mioclaenus brachystomus*]. *Am Nat* 16:71 (1882) *An Mag N H* (5) 9:204-205 (1882)
- 82h** The characters of the Taeniodonta. *Am Nat* 16:72 (1882) *An Mag N H* (5) 9:205-206 (1882)
- 82i** New forms of Coryphodontidae. *Am Nat* 16:73 (1882)
- 82j** An anthropomorphous lemur. *Am Nat* 16:73-74 (1882)
- 82k** Recent extinction of the mastodon. *Am Nat* 16:74-75 (1882)
- 82l** A new genus of Tillodonta [*Psittacotherium*]. *Am Nat* 16:156-157 (1882)
- 82m** A great deposit of mud and lava. [New Mexico]. *Am Nat* 16:157-158 (1882)
- 82n** The Tertiary formations of the central region of the United States. *Am Nat* 16:177-195 (1882)
- 82o** Marsh on the classification of the Dinosauria. *Am Nat* 16:253-255 (1882)
- 82p** New characters of the Perissodactyla Condylarthra. *Am Nat* 16:334 (1882)
- 82q** *Mesonyx* and *Oxyaena*. *Am Nat* 16:334 (1882)
- 82r** The rhachitomous Stegocephali. *Am Nat* 16:334-335 (1882)
- 82s** A second genus of Eocene Plagiulacidae. *Am Nat* 16:416-417 (1882)
- 82t** Two new genera of the Puerco Eocene [*Haploconus* and *Pantolambda*]. *Am Nat* 16:417-418 (1882)
- 82u** The ancestry and habits of *Thylacoleo*. *Am Nat* 16:520-522 (1882)
- 82v** Notes on Eocene Mammalia. *Am Nat* 16:522 (1882)

**Cope, Edward Drinker—Continued.**

- 82w** On the Taxeopoda, a new order of Mammalia. *Am Nat* 16:522-523 (1882)
- 82x** A new genus of Taeniodonta [*Taeniolabis*]. *Am Nat* 16:604-605 (1882)
- 82y** New marsupials from the Puerco Eocene. *Am Nat* 16:684-686 (1882)
- 82z** Mammalia in the Laramie formation [*Meniscoëssus conquistus*]. *Am Nat* 16:830-831 (1882)
- 82za** A new form of Taeniodonta [*Hemiganus vultuosus*]. *Am Nat* 16:831-832 (1882)
- 82zb** The Periptychidae. *Am Nat* 16:832-833 (1882)
- 82zc** Some new forms from the Puerco Eocene. *Am Nat* 16:833-834 (1882)
- 82zd** Theories of the origin of the loess. *Am Nat* 16:920-921 (1882)
- 82ze** The reptiles of the American Eocene. *Am Nat* 16:979-993, il (1882)
- 82zf** Two new genera of Mammalia from the Wasatch Eocene [*Diacodexis* and *Heptodon*]. *Am Nat* 16:1029 (1882)
- 82zg** Geological age of the Lake Valley mines of New Mexico. *Eng M J* 34:214 (1882)
- 83** On the contents of a bone cave in the Island of Anguilla (West Indies). *Smiths Cont Knowl* 25 art 3 (489):30 pp, il (1883)
- 83a** On a new extinct genus and species of Percidae from Dakota Territory. *Am J Sc* (3) 25:414-416 (1883)
- 83b** First addition to the fauna of the Puerco Eocene. *Am Ph Soc, Pr* 20:545-563 (1883) *Pal B no* 36:545-563 (1883)
- 83c** On the brains of the Eocene Mammalia *Phenacodus* and *Periptychus*. *Am Ph Soc, Pr* 20:563-565, il (1883) *Pal B no* 36:563-565, il (1883)
- 83d** Fourth contribution to the history of the Permian formation of Texas. *Am Ph Soc, Pr* 20:628-636 (1883) *Pal B no* 36:628-636 (1883)
- 83e** [On the antiquity of man.] *Ac N Sc Phila, Pr* 1882:291-292 (1883)
- 83f** On *Uintatherium*, *Bathmodon*, and *Triisodon*. *Ac N Sc Phila, Pr* 1882:294-300 (1883)
- 83g** On a new extinct genus of Sirenia, from South Carolina. *Ac N Sc Phila, Pr* 1883:52-54
- 83h** The tritubercular type of superior molar tooth. *Ac N Sc Phila, Pr* 1883:56
- 83i** Permian fishes and reptiles. *Ac N Sc Phila, Pr* 1883:69
- 83j** On the mutual relations of the bunotherian Mammalia. *Ac N Sc Phila, Pr* 1883:77-83 *An Mag N H* (5) 12:20-26 (1883)
- 83k** On the characters of the skull in the Hadrosauridae. *Ac N Sc Phila, Pr* 1883:97-107, il
- 83l** On some Vertebrata from the Permian of Illinois. *Ac N Sc Phila, Pr* 1883:108-110



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**83n** On some fossils of the Puerco formation. *Ac N Sc Phila*, Pr 1883:168-170

**83o** The extinct Rodentia of North America. *Am Nat* 17:43-57, 165-174, 370-381, il (1883)

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**83q** The Nevada biped tracks. *Am Nat* 17:69-71, il (1883)

**83r** New Mammalia from the Puerco Eocene. *Am Nat* 17:191 (1883)

**83s** On the extinct dogs of North America. *Am Nat* 17:235-249, il (1883)

**83t** A new fossil sirenian [*Diplotherium manigaulti*]. *Am Nat* 17:309 (1883)

**83u** The ancestor of *Coryphodon*. *Am Nat* 17:406-407 (1883)

**83v** Note on the trituberculate type of superior molar and the origin of the quadratuberculate. *Am Nat* 17:407-408 (1883)

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**83x** The structure and appearance of a Laramie dinosaurian [*Diclonius mirabilis*]. *Am Nat* 17:774-777, il (1883)

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**83z** The "third trochanter" of the dinosaurs. *Am Nat* 17:869 (1883)

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**83zb** The progress of the ungulates in Tertiary time. *Am Nat* 17:1055-1057 (1883)

**83zc** A new chondrosteian from the Eocene [*Crassopholis*]. *Am Nat* 17:1152-1153 (1883)

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**84c** On the distribution of the Loup Fork formation in New Mexico. *Am Ph Soc*, Pr 21:308-309 (1884) *Pal B* no 37:308-309 (1884)

**84d** Second addition to the knowledge of the Puerco epoch. *Am Ph Soc*, Pr 21:309-324 (1884) *Pal B* no 37:309-324 (1884)

**84e** On the trituberculate type of molar tooth in the Mammalia. *Am Ph Soc*, Pr 21:324-326 (1884) *Pal B* no 37:324-326 (1884)

**84f** Synopsis of the species of Oreodontidae. *Am Ph Soc*, Pr 21:503-572, il (1884) *Pal B* no 38:503-572, il (1884)

**84g** On the structure of the skull in the elasmobranch genus *Didymodus*. *Am Ph Soc*, Pr 21:572-590, il (1884) *Pal B* no 38:572-590, il (1884)

**84h** The extinct Mammalia of the Valley of Mexico. *Am Ph Soc*, Pr 22:1-21 (1884) *Pal B* no 39:1-21 (1884) *Mus Nac Méc*, An 3:325-344 (1886)

**84i** On the structure of the feet in the extinct Artiodactyla of North America. *Am Ph Soc*, Pr 22:21-27 (1884) *Pal B* no 39:21-27 (1884)

**84j** Fifth contribution to the knowledge of the fauna of the Permian formation of Texas and the Indian Territory. *Am Ph Soc*, Pr 22:28-47, il (1884) *Pal B* no 39:28-47, il (1884)

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**84l** The Batrachia of the Permian period of North America. *Am Nat* 18:26-39, il (1884)

**84m** The Loup Forks beds on the Gila River. *Am Nat* 18:58-59 (1884)

**84n** On new lemuroids from the Puerco formation. *Am Nat* 18:59-62 (1884)

**84o** The Creodonta. *Am Nat* 18:255-267, 344-353, 478-485, il (1884)

**84p** The history of the Oreodontidae. *Am Nat* 18:280-282 (1884)

**84q** The skull of a still living shark of the Coal Measures. *Am Nat* 18:412-413, il (1884)

**84r** The mastodons of North America. *Am Nat* 18:524-526 (1884)

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**84t** The Tertiary Marsupialia. *Am Nat* 18:686-697, il (1884)

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**84v** The Choristodera. *Am Nat* 18:815-817 (1884)

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**84y** The Amblypoda. *Am Nat* 18:1110-1121, 1192-1202 (1884); 19:40-55, il (1885)

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**84za** The structure of the columella auris in *Clepsydrops leptcephalus* (*abst*). *Am Nat* 18:1253-1255, il (1884)

**84zb** Note on the phylogeny of the Vertebrata. *Am Nat* 18:1255-1257 (1884)

**84zc** The evidence for evolution in the history of the extinct Mammalia. *Am As, Pr* 32:32-48 (1884)

**84zd** On the trituberculate type of molar tooth in the Mammalia (*abst*). *Am As, Pr* 32:313-315 (1884)

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**85l** The position of *Pterichthys* in the system. *Am Nat* 19:289-291, il (1885)

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**85p** Marsupials from the lower Eocene of New Mexico. *Am Nat* 19:493-494 (1885)

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**86i** The sternum of the Dinosauria. *Am Nat* 20:153-155, il (1886)

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- 86n** The Plagiaulacidae of the Puerco epoch. Am Nat 20:451 (1886)
- 86o** The long-spined Theromorpha of the Permian epoch. Am Nat 20:544-545 (1886)
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- 88h** On the Dicotylinæ of the John Day Miocene of North America. Am Ph Soc, Pr 25:62-79 (1888)
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- 88n** Rüttimeyer on the classification of Mammalia, and on American types recently found in Switzerland. Am Nat 22:831-835 (1888)
- 88o** The pineal eye in extinct vertebrates. Am Nat 22:914-917, il (1888)
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**93e** Earle on the species of Coryphodontidae. *Am Nat* 27:250-252 (1893)

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**37d** Crystallographic examination of eremite. Am J Sc 33:70-75 (1837)

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**43** On the analogies between the modern igneous rocks and the so-called primary formations, and the metamorphic changes produced by heat in the associated sedimentary deposits. Am J Sc 45:104-129, (abst with discussion) 138 (1843)

**43a** On the areas of subsidence in the Pacific as indicated by the distribution of coral islands. Am J Sc 45:131-135 (1843) Edinb N Ph J 35:341-345 (1843)

**43b** On the distribution of corals (abst with discussion). Am J Sc 45:310-311 (1843)

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**45** Observations on pseudomorphism. Am J Sc 48:81-92, 397-398 (1845) Edin N Ph J 39:251-264 (1845)

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**46b** On the volcanoes of the moon. *Am J Sc* (2) 2:335-353 (1846) *Edinb N Ph J* 43:10-33 (1847)

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**47b** Origin of the grand outline features of the earth. *Am J Sc* (2) 3:381-398 (1847)

**47c** Observations in reply to Mr. Lonsdale's "Remarks" [Tertiary corals]. *Am J Sc* (2) 4:359-362 (1847)

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**49b** Notes on upper California. *Am J Sc* (2) 7:247-264 (1849)

**49c** Observations on some points in the physical geography of Oregon and upper California. *Am J Sc* (2) 7:376-394 (1849)

**50** On the isolation of volcanic action in Hawaii, or volcanoes no safety valves. *Am As, Pr* 2:95-100 (1850)

**50a** On the trend of islands and axis of subsidence in the Pacific. *Am As, Pr* 2:321-325 (1850)

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**50c** On isomorphism and atomic volume of some minerals. *Am J Sc* (2) 9:220-245 (1850)

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**50e** On some minerals recently investigated by M. Hermann. *Am J Sc* (2) 9:408-412 (1850)

**50f** Historical account of the eruptions on Hawaii. *Am J Sc* (2) 9:347-364; 10:235-244 (1850)

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**51a** On coral reefs and islands. *Am J Sc* (2) 11:357-372; 12:25-51, 165-186, 329-338 (1851); 13:34-41, 185-195, 338-350; 14:76-84 (1852) *Edinb N Ph J* 52:33-62, 221-232 (1851-2)

**51b** On the crystallographic identity of eumanite and brookite. *Am J Sc* (2) 12:397-398 (1851)

**51c** On labradorite from the Island of Maui, Hawaiian group. *Am J Sc* (2) 11:121 (1851)

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**52c** On some modern calcareous rock formations. *Am J Sc* (2) 14:410-418 (1852)

**53** On coral reefs and islands. (From the author's exploring expedition report on geology, with additions.) 143 pp, map, N Y 1853

**53a** On changes of level in the Pacific Ocean. *Am J Sc* (2) 15:157-175 (1853) *Edinb N Ph J* 55:240-262 (1853)

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**56a** On American geological history. *Am As, Pr* 9:1-36 (1856) *Am J Sc* (2) 22:305-334 (1856) *Can Nat* 1:395-430 (1856-57) *Can J* 3:357-361, 385-387 (1855)

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**59** Reply to Prof. Agassiz on Marcou's Geology of North America. *Am J Sc* (2) 27:137-140 (1859)

**59a** Eruption of Manna Loa, Hawaii. *Am J Sc* (2) 27:410-415 (1859)

**61** (and others) Correspondence of Joachim Barrande, Sir William Logan, and James Hall on the Taconic system and the age of the fossils found in the rock of northern New England, and the Quebec group of rocks. *Am J Sc* (2) 31:210-226 (1861) *Can Nat* 6:106-120 (1861)

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**63** Manual of geology ... 798 pp, il, map, Phila 1863; rev ed, 800 pp, Phila 1864 2d ed, 828 pp, map, N Y 1875 3d ed, 911 pp, il, map, N Y 1880 4th ed, 1087 pp, N Y 1895

**63a** On the existence of a Mohawk Valley glacier in the glacial epoch. *Am J Sc* (2) 35:243-249 (1863)

**63b** Note on a fossil echinoderm from the Blue Limestone (Lower Silurian) of Cincinnati, Ohio. *Am J Sc* (2) 35:295 (1863)

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**63d** On certain parallel relations between the classes of vertebrates, and on the bearing of these relations on the question of the distinctive features of the reptilian birds. *Am J Sc* (2) 36:315-321 (1863)

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**67** Crystallogenic and crystallographic contributions. *Am J Sc* (2) 44:89-95, 252-263, 398-409 (1867) *Ph Mag* (4) 34:178-185 (1867)

**67a** On mineralogical nomenclature. *Am J Sc* (2) 44:145-151, 436 (1867) *Abst, Ph Mag* (4) 34:407-408 (1867)

**68** (and others) Recent eruption of Mauna Loa and Kilauea, Hawaii. *Am J Sc* (2) 46:105-123 (1868)

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**69** (and Brush, G. J.) On the magnetite in the mica of Pennsbury, Pa. *Am J Sc* (2) 48:360-362 (1869)

**70** Excursion to the hanging hills of Meriden. In Davis, C. H. S. History of Wallingford, Conn.: 53-66, Meriden, Conn., 1870.

**71** On the geology of the New Haven region, with special reference to the origin of some of its topographical features. *Conn Ac, Tr* 2:45-112, map (1871)

**71a** On the Quaternary, or post-Tertiary, of the New Haven region. *Am J Sc* (3) 1:1-5, 125-126 (1871)

**71b** Historical notes of the earthquakes of New England, 1638-1869. *Am J Sc* (3) 1:304-3 5 (1871)

**71c** On the supposed legs of the trilobite *Asaphus platycephalus*. *Am J Sc* (3) 1:320-321, 386 (1871) *An Mag N H* (4) 7:366-368 (1871) *Can Nat n s* 6:348-350 (1872)

**71d** Note on river terraces. *Am J Sc* (3) 2:144-145 (1871)

**71e** On the Connecticut River valley glacier and other examples of glacier movement along the valleys of New England. *Am J Sc* (3) 2:233-243 (1871)

**71f** On the position and height of the elevated plateau in which the glacier of New England in the glacial era had its origin. *Am J Sc* (3) 2:324-330 (1871)

**71g** Triassic sandstone of the Palisade Range. *Am J Sc* (3) 2:459-460 (1871)

**72** Corals and coral islands. 598 pp, map, N Y 1872, L 1885 3d ed, 440 pp, N Y 1890

**72a** Notice of the address of Prof T. Sterry Hunt before the American Association at Indianapolis. *Am J Sc* (3) 3:86-93, 319; 4:97-105 (1872)

**72b** Green Mountain geology; on the quartzite. *Am J Sc* (3) 3:179-186, 250-256 (1872)

**72c** Supposed legs of trilobites. *Am J Sc* (3) 3:221-222 (1872)

**72d** On the oceanic coral island subsidence. *Am J Sc* (3) 4:31-37 (1872)

**72e** [Review of Hopkins' geological report on Louisiana for 1871]. *Am J Sc* (3) 4:136-138 (1872)

**72f** [On the rock of the Palisades, N. J.] *Am J Sc* (3) 4:237 (1872)

**72g** On the quartzite, limestone, and associated rocks of the vicinity of Great Barrington, Berkshire Co., Mass. *Am J Sc* (3) 4:362-370, 450-453 (1872); 5:47-53, 84-91; 6:257-278 (1873)

**72h** On the true Taconic. *Am J Sc* (3) 3:468-471 (1872)

**72i** What is true Taconic? *Am Nat* 6:197-199 (1872) *Can Nat n s* 6:479-480 (1872)



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**73** On the crystalline limestone and the conformably associated Taconic and other schists of the Green Mountain region. [Collection of papers appearing in the *Am J Sc*] New Haven, Conn., 1873-1882

**73a** On staurolite crystals and Green Mountain gneisses of the Silurian age. *Am Nat* 7:658-660 (1873) *Am As, Pr* 22 pt 2:25-27 (1874) *Abst, Can Nat n s* 7:163 (1874)

**73b** The slates of the Taconic Mountains of the age of the Hudson River or Cincinnati group. *Am Nat* 7:708-710 (1873) *Am As, Pr* 22 pt 2:27-29 (1874)

**73c** On the glacial and Champlain eras in New England. *Am J Sc* (3) 5:198-211, 217-218, 219 (1873) *Abst, G Mag* 10:277 (1873)

**73d** On the origin of mountains. *Am J Sc* (3) 5:347-350 (1873)

**73e** On some results of the earth's contraction from cooling including a discussion of the origin of mountains and the nature of the earth's interior. *Am J Sc* (3) 5:423-443, 474-475; 6:6-14, 104-115, 161-172, 304, 381-382 (1873) *Ph Mag* (4) 46:41-54, 131-140, 210-219, 276-289, 363-375 (1873)

**73f** Dr. Dawson on the post-Pliocene geology of Canada. *Am J Sc* (3) 6:226-227 (1873)

**73g** Cretaceous of Long Island, N. Y. *Am J Sc* (3) 6:305 (1873)

**73h** On rocks of the Helderberg era in the valley of the Connecticut... *Am J Sc* (3) 6:339-352 (1873)

**74** Note on metamorphism and pseudomorphism... Boston Soc N H, *Pr* 17:167-170 (1874)

**74a** Glacial phenomena in Nicaragua. *Am J Sc* (3) 7:594-595 (1874)

**74b** Reasons for some of the changes in the subdivisions of geological time in the new edition of Dana's Manual of Geology. *Am J Sc* (3) 8:213-216 (1874)

**74c** On serpentine pseudomorphs and other kinds from the Tilly Foster iron mine, Putnam Co., N. Y. *Am J Sc* (3) 8:371-381, 447-459 (1874)

**75** The geological story briefly told... xi, 263 pp, N Y 1875 [New ed] 302 pp, N Y 1895

**75a** An examination of the theories that have been proposed to account for the climate of the glacial period [review of paper by Thomas Belt]. *Am J Sc* (3) 9:313-315 (1875)

**75b** On the submergence during the glacial period. *Am J Sc* (3) 9:315-316 (1875)

**75c** Recent changes of level on the coast of Maine, with reference to their origin and relation to other similar changes. *Am J Sc* (3) 9:316-318 (1875)

**Dana, James Dwight—Continued.**

**75d** On Dr. Koch's evidence with regard to the contemporaneity of man and the mastodon in Missouri. *Am J Sc* (3) 9:335-346, 398 (1875) With title, Was man a contemporary of the mammoth? *Pop Sc Rv* 14:278-290 (1875)

**75e** On southern New England during the melting of the great glacier. *Am J Sc* (3) 10:168-183, 280-282, 353-357, 409-438, 497-508, maps (1875); 11:151; 12:125-128 (1876)

**75f** Pseudomorphism and metamorphism; a correction. *Am J Sc* (3) 10:298-300 (1875)

**76** Note on the "chloritic formation" on the western border of the New Haven region. *Am J Sc* (3) 11:119-122 (1876)

**76a** On the damming of streams by drift ice during the melting of the great glacier. *Am J Sc* (3) 11:178-180 (1876)

**76b** [Plants as registers of geological age.] *Am J Sc* (3) 11:407-409 (1876)

**76c** Age of angiospermous plants referred to the Cretaceous. *Am J Sc* (3) 11:497-498 (1876)

**76d** Glacial flood. *Am J Sc* (3) 12:64-65 (1876)

**76e** Note on erosion. *Am J Sc* (3) 12:192-193 (1876)

**77** Note on the glacial era. *Am J Sc* (3) 13:79-80 (1877)

**77a** An account of the discoveries in Vermont geology of the Rev. Augustus Wing. *Am J Sc* (3) 13:332-347, 405-419, map, il; 14:36-37, map (1877)

**77b** On the relations of the geology of Vermont to that of Berkshire. *Am J Sc* (3) 14:37-48, 132-140, 202-207, 257-264 (1877)

**77c** Note on the Helderberg formation of Bernardstown, Mass., and Vernon, Vt. *Am J Sc* (3) 14:379-387 (1877)

**78** On the driftless interior of North America. *Am J Sc* (3) 15:250-255 (1878)

**78a** On "indurated bitumen" in cavities in the trap of the Connecticut Valley. *Am J Sc* (3) 16:130-132 (1878)

**78b** On some points in lithology. *Am J Sc* (3) 16:335-343, 431-440 (1878) *Can Nat n s* 9:40-48, 80-91 (1879) *Abst, G Mag* (2) 6:222-225 (1879)

**79** Note on mountain making by the contraction of the earth's crust. *Am J Sc* (3) 17:325-326 (1879)

**79a** On the Hudson River age of the Taconic schists, and on the dependent relations of the Dutchess County and western Connecticut limestone belts. *Am J Sc* (3) 17:375-388, map; 18:61-64 (1879)

**79b** On the composition of the capillary volcanic glass of Kilauea, Hawaii, called Pele's hair. *Am J Sc* (3) 18:134-135 (1879)



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**80** Gilbert's report on the geology of the Henry Mountains. *Am J Sc* (3) 19:17-25 (1880)

**80a** List of papers on the Taconic system. *Am J Sc* (3) 19:153-155 (1880)

**80b** Note on the age of the Green Mountains. *Am J Sc* (3) 19:191-200 (1880)

**80c** Age of the Taconic rocks ... *Am J Sc* (3) 19:236-237 (1880)

**80d** On the geological relations of the limestone belts of Westchester Co., N. Y. *Am J Sc* (3) 20:21-32, 194-220, 359-375, 450-456 (1880); 21:425-443; 22:103-119, 313-315, 327-335, maps (1881)

**80e** On a case in which various massive crystalline rocks including soda granite, quartz diorite, norite, hornblendite, pyroxenite, and different chrysolitic rocks, were made through metamorphic agencies in one metamorphic process. *G Mag* (2) 8:59-65, 110-119, 162-171 (1881) *Am J Sc* (3) 20:194-220 (1880)

**81** Dolerite (trap) of the Triassic-Jurassic area of eastern North America. *Am J Sc* (3) 22:230-233 (1881)

**81a** On the relation of the so-called "kames" of the Connecticut River valley to the terrace formation. *Am J Sc* (3) 22:451-468 (1881)

**82** The flood of the Connecticut River valley from the melting of the Quaternary glacier. *Am J Sc* (3) 23:87-97, 179-202, 360-373; 24:98-104 (1882)

**82a** Note on the former southward discharge of Lake Winnipeg. *Am J Sc* (3) 24:428-433 (1882) *Can Nat n s* 10:436-442 (1883)

**82b** Geological age of the Taconic system. *G Soc London, Q J* 38:397-408, map (1882) *Abst, Am J Sc* (3) 24:291-293 (1882); *G Mag* (2) 9:281-282 (1882)

**83** Evidence from southern New England against the iceberg theory of the drift. *Am As, Pr* 32:195-198 (1884) *Science* 2:390-392 (1883)

**83a** The origin of the Jura-Trias of eastern North America. *Am J Sc* (3) 25:383-386 (1883)

**83b** On the western discharge of the flooded Connecticut, or that through the Farmington Valley to New Haven Bay. *Am J Sc* (3) 25:440-448 (1883)

**83c** Hemidiorite. *Am J Sc* (3) 25:478 (1883)

**83d** Elevated coral reefs of Cuba. *Am J Sc* (3) 26:148-149 (1883)

**83e** Phenomena of the glacial and Champlain periods about the mouth of the Connecticut Valley—that is, in the New Haven region. *Am J Sc* (3) 26:341-361, map (1883); 27:113-130, maps (1884)

**83f** The Tortugas and Florida reefs. *Am J Sc* (3) 26:408-409 (1883)

**Dana, James Dwight—Continued.**

**84** On the southward ending of a great synclinal in the Taconic Range. *Am J Sc* (3) 28:268-275, map (1884) *Abst, Brit As, Rp* 54:729-730 (1885); *G Mag* (3) 1:473-474 (1884)

**84a** Professor James Hall on the "Hudson River" age of the Taconic slates. *Am J Sc* (3) 28:311-312 (1884)

**84b** Note on the Cortlandt and Stony Point hornblendic and augitic rock [N. Y.]. *Am J Sc* (3) 28:384-386 (1884)

**84c** Note on the origin of bedding in so-called metamorphic rocks. *Am J Sc* (3) 28:393-396 (1884)

**84d** Note on the making of limonite ore beds. *Am J Sc* (3) 28:398-400 (1884)

**84e** On the decay of quartzite and the formation of sand, kaolin, and crystallized quartz. *Am J Sc* (3) 28:448-452 (1884)

**84f** Elevation of land during the glacial period. *Ph Mag* (5) 17:245 (1884)

**85** On a system of rock notation for geological diagrams. *Am J Sc* (3) 29:7-10 (1885)

**85a** Decay of quartzite; pseudo-breccia. *Am J Sc* (3) 29:57-58 (1885)

**85b** On Taconic rocks and stratigraphy, with a geological map of the Taconic region. *Am J Sc* (3) 29:205-222, 437-443, map (1885); 33:270-276, 392-419 (1887)

**85c** ... on the origin and relations of continents and ocean basins. *Am J Sc* (3) 29:336-338 (1885)

**85d** Origin of coral reefs and islands. *Am J Sc* (3) 30:89-105, 169-191, map (1885)

**85e** The volcanic nature of a Pacific island not an argument for little or no subsidence. *Am J Sc* (3) 30:158-159 (1885)

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**85g** Creation, or the Biblical cosmogony in the light of modern science. *Bibliotheca Sacra* 42:202-224 (1885)

**85h** Lower Silurian fossils at Canaan, N. Y. *Science* 6:283 (1885)

**86** Berkshire geology [Massachusetts]. *Berkshire Hist Sc Soc, Four Papers of:* 1-25 (1886)

**86a** On Lower Silurian fossils from a limestone of the original Taconic of Emmons. *Am J Sc* (3) 31:241-248 (1886) *Abst, Am As, Pr* 34:216-217 (1886)

**86b** Eruption at Kilauea, Hawaii, in March, 1886. *Am J Sc* (3) 31:397-398 (1886)

**86c** The history of Taconic investigation previous to the work of Professor Emmons. *Am J Sc* (3) 31:399-401 (1886)

**86d** On some general terms applied to metamorphism, and to the porphyritic structure of rocks. *Am J Sc* (3) 32:69-72 (1886)



**Dana, James Dwight**—Continued.

**86e** The Taconic stratigraphy and fossils. *Am J Sc* (3) 32:236-239 (1886)

**86f** A dissected volcanic mountain; some of its revelations. *Am J Sc* (3) 32:247-255 (1886)

**86g** Geological age of the North Atlantic oceanic basin and origin of eastern American sediments. *Am J Sc* (3) 32:407-408 (1886)

**86h** Glaciers and glacialists. *Science* 8:162-163 (1886)

**87** Volcanic action. *Am J Sc* (3) 33:102-115 (1887)

**87a** Kilauea. *Am J Sc* (3) 33:239-240 (1887)

**87b** Eruption of Mauna Loa, Hawaii, in January. *Am J Sc* (3) 33:310-312 (1887)

**87c** History of the changes in the Mt. Loa craters, on Hawaii. *Am J Sc* (3) 33:433-451, 34:81-97, 349-364 maps (1887); 35:15-34, 213-228, 282-289, maps; 36:14-32, 81-112, 167-175, maps (1888)

**87d** Geology of Long Island: *Am J Sc* (3) 34:153-155 (1887)

**87e** A pothole of remarkable size in Archbald, Pa. *Am J Sc* (3) 34:489 (1887)

**88** A brief history of Taconic ideas. *Am J Sc* (3) 36:410-427 (1888)

**88a** American report to the International Congress of Geologists at the meeting in London commencing September 17, 1888. *Am J Sc* (3) 36:469-470 (1888)

**88b** On the cosmogony of Genesis. *Andover Rv* 9:197-200 (1888)

**89** ...on Halemaumau and its débris cone. *Am J Sc* (3) 37:48-50 (1889)

**89a** Points in the geological history of the islands Maui and Oahu. *Am J Sc* (3) 37:81-103, map (1889)

**89b** On the origin of the deep troughs of the oceanic depression; are any of volcanic origin? *Am J Sc* (3) 37:192-202, map (1889)

**89c** The name Silurian in geology. *Pop Sc Mo* 36:276 (1889)

**90** Characteristics of volcanoes... xvi, 399 pp, N Y 1890

**90a** Areas of continental progress in North America... *G Soc Am*, B 1:36-48 (1890)

**90b** Sedgwick and Murchison; Cambrian and Silurian. *Am J Sc* (3) 39:167-180, 235 (1890)

**90c** Subaerial decay of rocks and origin of the red color of certain formations. *Am J Sc* (3) 39:317-319 (1890)

**90d** Archean limestone and other rocks in Norfolk, Conn. *Am J Sc* (3) 39:321 (1890)

**90e** Archean axes of eastern North America. *Am J Sc* (3) 39:378-383 (1890)

**Dana, James Dwight**—Continued.

**90f** Rocky Mountain protaxis and the post-Cretaceous mountain-making along its course. *Am J Sc* (3) 40:181-196, map (1890)

**90g** Fossils in the Taconic limestone belt at the west foot of the Taconic Range in Hillsdale, N. Y. *Am J Sc* (3) 40:256-257 (1890)

**90h** Long Island Sound in the Quaternary era, with observations on the submarine Hudson River channel. *Am J Sc* (3) 40:425-437 (1890)

**91** On the four rocks of the New Haven region... 120 pp, maps, New Haven 1891

**91a** Note on the recent eruption of Kilauea, Hawaii. *Am J Sc* (3) 41:443, 516 (1891)

**91b** [On the age of certain limestones]. *Am J Sc* (3) 42:70-72 (1891)

**91c** ... nonvolcanic igneous ejections, as illustrated in the four "Rocks" of the New Haven region, West Rock, Pine Rock, Mill Rock, and East Rock. *Am J Sc* (3) 42:79-110, maps (1891)

**91d** On Percival's map of the Jura-Trias trap belts of central Connecticut, with observations on the upturning or mountain-making disturbance of the formation. *Am J Sc* (3) 42:439-447, map (1891)

**92** On subdivisions in Archean history. *Am J Sc* (3) 43:455-462 (1892)

**92a** Additional observations on the Jura-Trias trap of the New Haven region. *Am J Sc* (3) 44:165-169 (1892)

**92b** Further observations on the permanence of oceans and continents. *Nat Sc* 1:737-740 (1892)

**93** On New England and the upper Mississippi basin in the glacial period. *Am J Sc* (3) 46:327-330 (1893)

**94** Observations on the derivation and homologies of some articulates. *Am J Sc* (3) 47:325-329 (1894) *An Mag N H* (6) 13:502-506 (1894)

**95** Formation of dolomite. *Am J Sc* (3) 49:426-427 (1895)

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**Dana, James Freeman** (1793-1827)

**18** (and Dana, S. L.) Outlines of the mineralogy and geology of Boston and its vicinity, with a geological map. 108 pp, map, Boston 1818. *Also in* *Am Ac Arts*, Mem 4:129-223, map (1818)

**Dana, Samuel Luther** (1795-1868)

**18** (with Dana, J. F.) Outlines of the mineralogy and geology of Boston and its vicinity, with a geological map. 108 pp, map, Boston 1818. *Also in* *Am Ac Arts*, Mem 4:129-223, map (1818)



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**45** Analysis of coprolites from the New Red sandstone formation of New England, with remarks by Professor Hitchcock. *Am J Sc* 48:46-60 (1845)

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**06** Im Karstgebiete Jamaica's. *Soc Hongroise Géog, Abrégé B, Suppl au Földrajzi Közlemények* 35:129-130 (1906)

**07** Das Erdbeben von San Jacinto am 25. Dezember, 1899 [southern California]. *K-k Geog Ges Wien, Mitt* 50:339-347 (1907)

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**14** Karststudien in Jamaica. *K Böhm Ges Wiss, Mat-nat Cl, Szb* 1914:72 pp, map [not seen]

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**54** First annual report on the geological survey of the State of Wisconsin. 84 pp, map, Madison 1854 *Extract*, with title, The lead veins of Wisconsin, *M Mag* 2:493-506 (1854)

**54a** [Some features of the lead district of Wisconsin.] *Boston Soc N H, Pr* 4:387-389 (1854)

**58** Annual report of the geological survey of the State of Wisconsin, for the year ending December 31, 1857. 62 pp, Madison 1858

**58a** Report. *In* Report of the commissioners of the geological survey [of Wisconsin]: 9-12, Madison 1858

**58b** Iron ores of Wisconsin. *M Mag* 10:13-27 (1858)

**58c** [On Silurian rocks of Illinois and Wisconsin and fossils from the Potsdam of Wisconsin.] *Boston Soc N H, Pr* 6:309-310 (1858)

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**12** The Roslyn, Wash., coal field. *Coal Age* 1:1064-1066 (1912)

**14** The coal fields of Pierce Co. [Wash.]. *Washington G S, B* 10:146 pp, maps (1914)

**15** Structure of Pierce County coal field of Washington (*abst*). *G Soc Am, B* 26:132-133 (1915)

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**05** Notes on the semi-fossil shells of Posey Co., Ind. *Nautilus* 19:62-63 (1905)

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**08** Beobachtungen an einigen Vulkanen Mexikos. *Naturh Ver Preus Rheinl, Verh* 64:97-133 (1908)

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**06** Sedimentation, its relation to drainage. *Ill Soc Eng, An Rp* 21:82-94 (1906)

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**82** The mineralogical localities in and around New York City and the minerals occurring therein. *Sc Am Sup* 14:5492-5493, 5566-5568, 5796-5797; 16:6629 (1882-3)

**82a** Notes on [the minerals of] the Weehawken tunnel [N. J.] *N Y Ac Sc, Tr* 1:129-131 (1882)

**82b** On a new locality for hayesine and its novel occurrence. *Am J Sc* (3) 23:458-459 (1882)

**83** On the indurated shales between Bergen Hill and the Palisades, N. J. *Sc Am Sup* 16:6513-6514 (1883)

**83a** On the disintegrated sandstone at New Durham, N. J. (*abst*) *N Y Ac Sc, Tr* 2:117-119 (1883)

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**85a** Ancient bone cave in Pennsylvania. *Sc Am Sup* 19:7541-7542 (1885)

**85b** On the Devonian age of the Green Pond Mountain rocks. *Sc Am Sup* 19:7877-7878 (1885)

**86** On the area of Upper Silurian rocks near Cornwall Station, eastern-central Orange Co., N. Y. *Am J Sc* (3) 31:209-216 (1886)

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**91** Record of North American geology for 1887 to 1889, inclusive. *U S G S, B* 75:173 pp (1891)

**91a** Record of North American geology for 1890. *U S G S, B* 91:88 pp (1891)

**91b** Mesozoic and Cenozoic formations of eastern Virginia and Maryland. *G Soc Am, B* 2:431-450, map (1891)

**91c** Record of a deep well at Lake Worth, southern Florida. *Am J Sc* (3) 41:105-106 (1891)

**91d** Notes on the geology of the Florida phosphate deposits. *Am J Sc* (3) 41:102-105 (1891)



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**91e** On a jointed earth auger for geological explorations in soft deposits. *Am G* 7:117-119 (1891) *Eng M J* 51:401 (1891)

**91f** (with McGee, W J and others) The geology of Washington and vicinity. *In* Guide to Washington ... International Congress of Geologists, fifth session, Washington 1891:38-64, map [1891]

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**92a** The geology of Baltimore and its vicinity; physiography of the region and geology of the sedimentary rocks. *In* Guide to Baltimore (Am. Inst. Min. Eng., Baltimore meeting):125-139, map [Baltimore 1892]

**92b** On fossils in the Lafayette formation in Virginia. *Am G* 9:181-183 (1892)

**92c** Notes on the stratigraphy of a portion of central Appalachian Virginia. *Am G* 10:10-18 (1892)

**92d** Fossils in the "Archean" rocks of central Piedmont Virginia. *Am J Sc* (3) 44:50-52, il (1892)

**93** On two overthrusts in eastern New York. *G Soc Am*, B 4:436-439 (1893)

**93a** The stratigraphic relations of the Oneonta and Chemung formations in eastern central New York. *Am J Sc* (3) 45:203-209 (1893)

**93b** The Magothy formation of northeastern Maryland. *Am J Sc* (3) 45:407-419, map (1893)

**93c** On certain features in the distribution of the Columbia formation on the middle Atlantic slope (*abst* with discussion). *Am G* 11:244 (1893)

**93d** The Cenozoic history of eastern Virginia and Maryland (*abst* with discussion). *Am G* 12:171-172 (1893)

**94** Report on the relations of the Helderberg limestones and associated formations in eastern New York. *N Y St G*, An Rp 13:199-228 (1894) *N Y St Mus*, An Rp 47:393-422 (1894)

**94a** Preliminary report on the geology of Albany Co. [N. Y.]. *N Y St G*, An Rp 13:229-261 (1894) *N Y St Mus*, An Rp 47:425-455 (1894)

**94b** Preliminary report on the geology of Ulster Co. [N. Y.]. *N Y St G*, An Rp 13:289-372, map (1894) *N Y St Mus*, An Rp 47:485-566, map (1894)

**94c** Geology of the Mohawk Valley in Herkimer, Fulton, Montgomery, and Saratoga cos. [N. Y.]. *N Y St G*, An Rp 13:407-429 (1894) *N Y St Mus*, An Rp 47:601-623 (1894)

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**94e** Description of the Staunton sheet [Va.-W. Va.]. *U S G S*, G Atlas Staunton fol (no 14):4 pp, maps (1894) *Abst*, *J G* 3:973-974 (1895)

**94f** Geologic relations from Green Pond, N. J., to Skunnemunk Mountain, N. Y. *G Soc Am*, B 5:367-394, map (1894) (*Abst*) *Am G* 13:211-212 (1894)

**94g** Outline of Cenozoic history of a portion of the middle Atlantic slope. *J G* 2:568-587, maps (1894)

**94h** Shawangunk Mountain [Ulster Co., N. Y.]. *Nat Geog Mag* 6:23-34 (1894)

**94i** Geologic relations in the belt from Green Pond, N. J., to Skunnemunk Mountain, N. Y. (*abst*). *Am G* 13:211-212 (1894)

**95** (and Kemp, J. F.) A newly discovered dike at DeWitt, near Syracuse, N. Y. *Am J Sc* (3) 49:456-462 (1895) *Abst*, *G Soc Am*, B 6:477-478 (1895); *Science n s* 1:65-66 (1895)

**95a** Artesian well prospects in eastern Virginia, Maryland, and Delaware. *Am I M Eng*, Tr 24:372-397, map (1895)

**96** Catalogue and index of contributions to North American geology, 1732-1891, *U S G S*, B 127:1045 pp (1896)

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**48a** On the boulder formation and superficial deposits of Nova Scotia. R Soc Edinb, Pr 2:141-142 (title on p 140) (1848)

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**54b** On fossil coniferous wood from Prince Edward Island. Ac N Sc Phila, Pr 7:62-64 (1854)

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**57c** Remarks on a specimen of fossil wood from the Devonian rocks (Gaspe sandstones) of Gaspe, Canada East. Am As, Pr 10 pt 2:174-176, il (1857)

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**58b** A week in Gaspé. *Can Nat* 3:321-331 (1858)

**58c** Newer Pliocene fossils of the St. Lawrence Valley (*abst*). *Can J n s* 3:86-87 (1858)

**59** On the lower coal measures as developed in British America. *G Soc London, Q J* 15:62-76, il (1859) *Abst*, *Can Nat* 3:190-192 (1858); 4:303-305 (1859)

**59a** On fossil plants from the Devonian rocks of Canada. *G Soc London, Q J* 15:477-488, il (1859) *Can Nat* 5:1-14, il (1860) *Abst*, *Can Nat* 4:303-305 (1859); *Ph Mag* (4) 17:147-148 (1859)

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**59d** On the microscopic structure of some Canadian limestones. *Can Nat* 4:161-169 (1859)

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**61a** Note on a carpolite from the coal formation of Cape Breton. *G Soc London, Q J* 17:525-526, il (1861) *Can Nat* 7:111-113, il (1861)

**61b** Notes on the geology of Murray Bay, lower St. Lawrence. *Can Nat* 6:138-150 (1861)

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**61c** On the pre-Carboniferous flora of New Brunswick, Maine, and eastern Canada. *Can Nat* 6:161-180, il (1861)

**61d** Drift deposits of western Canada. *Can Nat* 6:219-224 (1861)

**61e** The earthquake of July 12, 1861 [Canada]. *Can Nat* 6:329 (1861)

**61f** On the recent discoveries of gold in Nova Scotia. *Can Nat* 6:417-430 (1861)

**61g** [Descriptions of new species of fossil plants from Perry, Me.]. *Me Bd Agr, 6th An Rp*:249-251, il (1861)

**62** Notice of the discovery of additional remains of land animals in the coal measures of the South Joggins, N. S. *G Soc London, Q J* 18:5-7 (1862)

**62a** On the flora of the Devonian period in northeastern America. *G Soc London, Q J* 18:296-330, il (1862) *Am J Sc* (2) 35:311-319; 36:41-42 (1863) *Abst*, *Can Nat* 7:223-224 (1862)

**62b** Notes on the flora of the White Mountains in its geographical and geological relations. *Can Nat* 7:81-102 (1862)

**62c** On the footprints of *Limulus* as compared with the *Protichnites* of the Potsdam sandstone. *Can Nat* 7:271-277 (1862) *Abst*, *Am J Sc* (2) 34:416-417 (1862)

**62d** Fossil plants discovered at Perry, Me.] *Portland Soc N H, Pr* 1:99-100, il (1869) [1862] *Me Bd Agr, 7th An Rp*:402-404 (1862)

**63** Air breathers of the coal period; a descriptive account of the remains of land animals found in the coal formation of Nova Scotia... 81 pp, il, Montreal 1863 *Can Nat* 8:1-12, 81-92, 159-160, 161-175, 268-295, il (1863)

**63a** On the coal measures of Cape Breton [N. S.] *Am Ph Soc, Pr* 9:165-167, 208-209 (1863)

**63b** Further observations on the Devonian plants of Maine, Gaspé, and New York. *G Soc London, Q J* 19:458-469, il (1863)

**63c** Notice of a new species of *Dendrerpeton* and of the dermal coverings of certain Carboniferous reptiles. *G Soc London, Q J* 19:469-473 (1863)

**63d** On American Devonian. *Am J Sc* (2) 35:309-311 (1863)

**63e** Note on the footprints of a reptile from the coal formation of Cape Breton. *Can Nat* 8:430-431, il (1863)

**63f** Synopsis of the flora of the Carboniferous period in Nova Scotia. *Can Nat* 8:431-457 (1863) *Abst*, *Am J Sc*, (2) 37:419-426 (1864)

**63g** On two new coal plants from Nova Scotia (*abst*). *Edinb N Ph J n s* 18:298 (1863)

**64** Address [on some points in Canadian geology]. *Can Nat n s* 1:218-229 (1864) *Am J Sc* (2) 38:231-239 (1864)



**Dawson, John William—Continued.**

**64a** On the fossils of the genus *Rusophycus*. Can Nat n s 1:363-367, 458, il (1864)

**64b** On two new coal plants from Nova Scotia (*abst*). Brit As, Rp 33:sec 67-68 (1864)

**65** Notes on post-Pliocene deposits at Riviere-du-Loup and Tadoussac. Can Nat n s 2:81-88 (1865)

**65a** [Presidential address: progress of geology in Canada.] Can Nat n s 2:300-304 (1865)

**65b** On the structure of certain organic remains in the Laurentian limestones of Canada. G Soc London, Q J 21:51-59, il (1865) Can Nat n s 2:99-111, 127-128, il (1865)

**65c** Notes on the post-Pliocene deposits of Canada (*abst*). G Mag 2:561-563 (1865) Brit As, Rp 35:sec 50 (1866)

**65d** The successive Paleozoic floras in eastern North America (*abst*). Brit As, Rp 35:sec 50-51 (1866) Can Nat n s 2:452-454 (1865)

**65e** General view of the Paleozoic floras of North America (*abst*). G Mag 2:568-569 (1865)

**66** On the conditions of the deposition of coal, more especially as illustrated by the coal formation of Nova Scotia and New Brunswick. G Soc London, Q J 22:95-169, il (1866) *Abst*, G Mag 3:79 (1866)

**66a** Note on supposed burrows of worms in the Laurentian rocks of Canada. G Soc London, Q J 22:608-609, il (1866) *Abst*, Can Nat n s 3:321-322 (1868)

**66b** Comparisons of the icebergs of Belle Isle with the glaciers of Mont Blanc, with reference to the boulder clay of Canada. Can Nat n s 3:33-44 (1866)

**66c** The evidence of fossil plants as to the climate of the post-Pliocene period in Canada. Can Nat n s 3:69-76, il (1866) *Abst*, J Bot, London, 5:121-122 (1867)

**67** On the discovery of a new pulmonate mollusk (*Zonites (Conulus) priscus* Cpr.) in the coal formation of Nova Scotia; with a description of the species by P. P. Carpenter. G Soc London, Q J 23:330-333, il (1867) *Abst*, Q J Sc 5:98 (1868)

**67a** Notes on fossils recently obtained from the Laurentian rocks of Canada, and on objections to the organic nature of *Eozoon*. G Soc London, Q J 23:257-265, il (1867) Am J Sc (2) 44:367-376 (1867) Can Nat n s 3:312-321, il (1868)

**67b** On some remains of Paleozoic insects recently discovered in Nova Scotia and New Brunswick. G Mag 4:385-388, il (1867) Can Nat n s 3:202-206, il (1867)

**67c** Coal discoveries and Primordial fossils in Nova Scotia. G Mag 4:73-74 (1867)

**Dawson, John William—Continued.**

**67d** Coal of Pictou, Nova Scotia. G Mag 4:74 (1867)

**68** On new specimens of *Eozoon canadense*... Am J Sc (2) 46:245-255, il (1868)

**68a** Note [on Carboniferous beds of Nova Scotia]. Can Nat n s 3:224 (1868)

**68b** Notices of some remarkable genera of plants of the coal formation. Can Nat n s 3:362-374, il (1868)

**68c** On recent geological discoveries in the Acadian provinces of British America (*abst*). Am As, Pr 16:117-119 (1868) Can Nat n s 3:295-297 (1868)

**69** On Calamites. An Mag N H (4) 4:272-273 (1869)

**69a** The Wakefield cave [Ontario.]. Can Nat n s 4:71-73 (1869)

**69b** Geological time. Can Nat n s 4:73-78 (1869)

**69c** Deep sea dredging in its relation to geology. Can Nat n s 4:78-81 (1869)

**69d** *Calamites* and *Calamodendron*. Can Nat n s 4:81-85 (1869)

**69e** On some new fossil plants, etc., from Gaspé (*abst*). Can Nat n s 4:464-465 (1869).

**69f** The primeval flora. Sc Am 20:34-35 (1869); Nat Sc News 2:29-32 (1896)

**70** The primitive vegetation of the earth. R Inst, Pr 6:165-172, il (1870) Nature 2:85-88 (1870) Am Nat 4:474-483 (1870)

**70a** Note on the genus *Eophyton*. Can Nat n s 5:20-22 (1870)

**70b** The earthquake of October 20, 1870. Can Nat n s 5:282-289 (1870)

**70c** Notes on new points and corrections in Acadian geology. N S Inst N Sc, Pr Tr 2 pt 3:166-169 (1870)

**70d** On the pre-Carboniferous floras of northeastern America, with especial reference to that of the Erian (Devonian) period (*abst*). R Soc London, Pr 18:333-335 (1870) An Mag N H (4) 6:103-105 (1870)

**70e** On the graphite of the Laurentian of Canada. G Soc London, Q J 26:112-117 (1870); *abst*, 25:406 (1869) Can Nat n s 5:13-20 (1870)

**70f** Notes on the structure of *Sigillaria* (*abst*). G Soc London, Q J 26:165-166 (1870) Ph Mag (4) 40:74-75 (1870) G Mag 7:87 (1870) Can Nat n s 5:98 (1870)

**70g** Note on some animal remains from the Carboniferous and Devonian of Canada. (*abst*). G Soc London, Q J 26:166 (1870) G Mag 7:87-88 (1870) Ph Mag (4) 40:75 (1870) Can Nat n s 5:98-99 (1870)



**Dawson, John William—Continued.**

**70h** On the structure and affinities of *Sigillaria*, *Calamites*, and *Calamodendron*. G Soc London, Q J 27:147-161 (1871); *abst*, 26:488-490 (1870) *Abst*, Ph Mag (4) 40:384-386 (1870); G Mag 7:293-294 (1870)

**70i** Handbook of zoology, with examples from Canadian species, recent and fossil. 264 pp, il, Montreal 1870 [1st and 2d ed. not seen] 3d ed., 304 pp, il, Montreal 1886

**71** (and Harrington, B. J.) Report on the geological structure and mineral resources of Prince Edward Island. 52 pp, il, Montreal 1871

**71a** The post-Pliocene geology of Canada. Can Nat n s 6:19-42, 166-187, 241-259, 369-416, il, map (1871) Reprint, with title, Notes on the post-Pliocene geology of Canada... 112 pp, il, Montreal 1872

**71b** The fossil plants of the Devonian and Upper Silurian formations of Canada. Can G S [pt 1]:1-92, il (1871); pt 2:93-142, il (1882)

**71c** On new tree ferns and other fossils from the Devonian. G Soc London, Q J 27:269-274, il (1871) *Abst*, Ph Mag (4) 42:231-232 (1871); G Mag 8:231-232 (1871)

**71d** Note on *Eozoon canadense*. R Irish Ac, Pr (2) 1:117-123, 129-131 (1871)

**71e** On spore cases in coals. Am J Sc (3) 1:256-263, il (1871)

**71f** On the bearing of Devonian botany on questions as to the origin and extinction of species. Am J Sc (3) 2:410-416 (1871)

**71g** Some new facts in fossil botany. G Mag 8:236-237 (1871)

**72** On the *Eozoon*. Am J Sc (3) 4:65-69 (1872)

**72a** Devonian and Lower Carboniferous plants. Am J Sc (3) 4:236-237 (1872)

**72b** Notes on the geology of Prince Edward Island in the Gulf of St. Lawrence. G Mag 9:203-209 (1872)

**72c** Note on footprints from the Carboniferous of Nova Scotia G Mag 9:251-253, il (1872)

**72d** On the physical geography of Prince Edward Island (*abst*). Can Nat n s 6:342-343 (1872)

**73** Report on the fossil plants of the Lower Carboniferous and Millstone Grit formations of Canada. 47 pp, il, Can G S 1873

**73a** Note on the fossil plants from British Columbia ... Can G S, Rp Prog 1872-3:66-71, il (1873) *Abst*, Am J Sc (3) 7:47-51 (1874)

**73b** Annual address of the president of the Natural History Society of Montreal. Can Nat n s 7:1-11 (1873)

**73c** Remarks on Mr. Carruthers' view of *Prototaxites*. Mo Micro J 10:66-71 (1873) Can Nat n s 7:173-178 (1874)

**Dawson, John William—Continued.**

**73d** Impressions and footprints of aquatic animals and imitative markings on Carboniferous rocks. Am J Sc (3) 5:16-24, il (1873) Can Nat n s 7:65-74, il (1873)

**73e** On the introduction of genera and species in geological time. Q J Sc 10 (n s 3):363-366 (1873)

**73f** Note in vindication of *Leptophlaeum rhombicum* and *Lepidodendron gaspianum*. G Soc London, Q J 29:369-371 (1873) *Abst*, G Mag 10:234-235 (1873)

**73g** American lake basins and Arctic currents. G Mag 10:137-138 (1873)

**74** Annual address before the Natural History Society of Montreal. Can Nat n s 7:277-291 (1874)

**74a** On the upper coal formation of eastern Nova Scotia and Prince Edward Island in its relation to the Permian. G Soc London, Q J 30:209-219 (1874) *Abst*, G Mag (2) 1:281-282 (1874): Can Nat n s 7:303-304 (1874)

**74b** On the geological relations of the iron ores of Nova Scotia. Am As, Pr 22 pt 2:138-146 (1874) Can Nat n s 7:129-138 (1874)

**74c** *Eozoon canadense*. Nature 10:103, il (1874)

**74d** Note on a new *Sigillaria* showing scars of fructification (*abst*). Am As, Pr 22 pt 2:75-76 (1874) Can Nat n s 7:171 (1874)

**75** Life's dawn on earth; being the history of the oldest known fossil remains... 239 pp, il, L 1875

**75a** Address [of the vice president of the Association]. [Teaching of paleontology on the origin and history of life on the earth]. Am As, Pr 24 pt 2:3-26 (1876) (also separate, 26 pp, Montreal 1875 Am Nat 9:529-522 (1875)

**75b** Note on the plants collected by Mr. G. M. Dawson, from the Lignite Tertiary deposits near the forty-ninth parallel. In Dawson, G. M., Report on the geology ... of the forty-ninth parallel, British N Am Boundary Comm:327-331, il, Montreal 1875

**75c** Carboniferous conifers. Am J Sc (3) 10:301-302 (1875)

**75d** Primitive man and revelation. Victoria Inst, Tr 8:59-63 (1875)

**76** Note on the phosphates of the Laurentian and Cambrian rocks of Canada. G Soc London, Q J 32:285-291 (1876) Can Nat n s 8:162-170 (1876)

**76a** On a recent discovery of Carboniferous batrachians in Nova Scotia. Am J Sc (3) 12:440-447 (1876)

**76b** On some new specimens of fossil Protozoa from Canada. Am As, Pr 24 pt 2:100-105, il (1876)

**76c** Note on specimen of metadiabase from Connecticut Lake. Am J Sc (3) 12:395 (1876)



**Dawson, John William—Continued.**

**76d** On the occurrence of *Eozoon canadense* at Côte St. Pierre [Que.]. G Soc London, Q J 32:66-74, il (1876) *Abst*, G Mag (2) 2:334-335 (1875)

**76e** On Mr. Carter's objection to *Eozoon*. An Mag N H (4) 17:118-119 (1876)

**76f** *Eozoon canadense*, according to Hahn. An Mag N H (4) 18:29-38 (1876)

**76g** Carboniferous pulmonates. Am J Sc (3) 12:226-227 (1876) Carboniferous land shells. Nature 14:317 (1876)

**77** Annual address [of the president of the Natural History Society of Montreal]. Can Nat n s 8:293-303 (1877)

**77a** Note on a specimen of *Diploxylon* from the coal formation of Nova Scotia. G Soc London, Q J 33:836-842, il (1877) *Abst*, An Mag N H (4) 20:152-153 (1877); Can Nat n s 8:240-250 (1877)

**77b** New facts relating to *Eozoon canadense*. Am As, Pr 25:231-234 (1877) Can Nat n s 8:282-285 (1877)

**77c** [On the geology of Belœil mountain, Quebec.] Can Nat n s 8:286-288 (1877)

**77d** Lower Carboniferous fishes of New Brunswick. Can Nat n s 8:337-340, il (1877)

**77e** Note on a fossil seal from the Leda clay of the Ottawa Valley. Can Nat n s 8:340-341 (1877)

**77f** The earthquake of November 4, 1877. Can Nat n s 8:342-345 (1877) Am J Sc (3) 15:321-324 (1877)

**77g** Notes on two Paleozoic crustaceans from Nova Scotia. G Mag (2) 4:56-58, il (1877)

**77h** Fossil floras and glacial periods. Nature 16:67-68 (1877)

**77i** The origin of the world according to revelation and science. Montreal 1877 4th ed, 438, pp, L 1886 6th ed, 452 pp, L 1893 [other editions not seen]

**78** Supplement to the second edition of Acadian geology... 102 pp, L 1878

**78a** *Stromatopora* as distinguished from *Millepora*. An Mag N H (5) 2:28-30 (1878)

**78b** Evolution and the apparition of animal forms. Princeton Rv yr 54 (n s) 1:662-675 (1878)

**78c** Fossil agricultural implements. Victoria Inst, Tr 11:29-32 (1878)

**79** On the microscopic structure of Stromatoporidae and on Paleozoic fossils mineralized with silicates in illustration of *Eozoon*. G Soc London, Q J 35:48-66, il (1879)

**79a** The genesis and migrations of plants. Princeton Rv 3:277-294 (1879) Nature 20:257-258 (1879)

**79b** List of Tertiary plants from localities in the southern part of British Columbia, with the description of a new species of *Equisetum*. Can G S, Rp Prog 1877-8: B 186-187 (1879)

**Dawson, John William—Continued.**

**79c** Remarks on recent papers on the geology of Nova Scotia. Can Nat n s 9:1-16 (1879)

**79d** A Canadian *Pterygotus* (*Pterygotus canadensis*). Can Nat n s 9:103-105, il (1879)

**79e** Möbius on *Eozoon canadense*. Am J Sc (3) 17:196-202 (1879) Can Nat n s 9:105-112 (1879)

**79f** [Presidential address before the Natural History Society of Montreal.] Can Nat n s 9:165-180 (1879)

**79g** Notes on recent controversies respecting *Eozoon canadense*. Can Nat n s 9:228-240 (1879)

**79h** Semi-metamorphic fossiliferous rocks containing serpentine. Am J Sc (3) 17:327-328 (1879)

**80** Fossil men and their modern representatives... 348 pp, Montreal 1880 2d ed, 354 pp, L 1883

**80a** The chain of life in geological time... 272 pp, L [1880]; 2d ed, 1885; 3d ed, 1888

**80b** Lecture notes on geology and outline of the geology of Canada... 100 pp, il, Montreal 1880 [not seen]

**80c** Note on the geological relations of the fossil insects from the Devonian of New Brunswick. Boston Soc N H, Anniv Mem: 34-41 (of Scudder's paper) (1880)

**80d** New facts respecting the geological relations and fossil remains of the Silurian iron ores of Pictou, N. S. Can Nat n s 9:313-314, 332-344 (1880)

**80e** Abstract of notes...on fossil plants collected...in the lignite Tertiary formation of Roches Percées, Souris River, Manitoba. Can Nat n s 9:447-448 (1880)

**80f** Revision of the land snails of the Paleozoic era, with descriptions of new species. Am J Sc (3) 20:403-415, il (1880) Can Nat n s 9:449-463, il (1881)

**80g** New Devonian plants and other Canadian fossils (*abst*). Can Nat n s 9:472-473 (1880)

**80h** On land snails of the Paleozoic period. (*abst*). Science (ed, Michels) 1:136 (1880)

**81** Note ... on fossil plants, collected .. in the lignite Tertiary formation of Roche Percée, Souris River [Saskatchewan]. Can G S, Rp Prog 1879-80: A 51-55 (1881)

**81a** Note on Cretaceous fossil plants from the Peace River country. Can G S, Rp Prog 1879-80: B 120-122 (1881)

**81b** On the structure of a specimen of *Uphantaenia* ... Am Mus N H, B 1:12-13 (1881) Am J Sc (3) 22:132-133 (1881)

**81c** Notes on new Erian (Devonian) plants. G Soc London, Q J 37:299-308, il (1881) *Abst*, Can Nat n s 9:475-476 (1881)

**81d** The oldest known insects. Nature 24:483-484 (1881)



**Dawson, John William—Continued.**

**81e** Note on *Spirorbis* contained in an ironstone nodule from Mazon Creek [Ill.] with millipede. Boston Soc N H, Pr 21: 157-158 (1881)

**81f** Paleontological notes; 1, A new species of *Piloceras*; 2, *Saccamina* ? (*Calcisphaera*) *eriana*; 3, New Devonian plants from the Bay de Chaleur. Can Nat n s 10:1-11, il (1881)

**81g** Note on a fern associated with *Platophemera antiqua* Scudder. Can Nat n s 10:102-104 (1881)

**81h** The antiquity of man and the origin of species., Kansas City Rv Sc 4:530-536, 595-600 (1881)

**81i** *Stromatopora* and *Caunopora*. G Mag (2) 8:141 (1881)

**82** On the results of recent explorations of erect trees containing animal remains in the coal formation of Nova Scotia. R Soc London, Pr 33:254-256 (*abst*); Ph Tr 173:621-659, il (1882) *Abst*, Nature 25:354 (1882); Can Nat n s 10:252-254 (1882)

**82a** Recent discoveries in the Erian (Devonian) flora of the United States. Am J Sc (3) 24:338-345 (1882)

**82b** [On the glaciation of North America.] Can Nat n s 10:183-184 (1882)

**82c** Note on specimens of *Psilophyton* and associated fossils collected ... in the Chemung shales of Ithaca, N. Y. (*abst*). Am As, Pr 30:204 (1882)

**82d** The successive Paleozoic floras of Canada. Can Nat n s 10:372-378 (1882) *Abst*, Am As, Pr 31:415-416 (1883)

**83** On some unsolved problems in geology. Am As, Pr 32:1-27 (1884) Science 2:190-201 (1883) Pop Sc Mo 23:827-837; 24:61-73 (1883) Nature 28:449-455 (1883)

**83a** On the Cretaceous and Tertiary floras of British Columbia and the Northwest Territory. R Soc Can, Pr Tr 1, iv: 15-34, il (1883)

**83b** On portions of the skeleton of a whale from gravel on the line of the Canada Pacific Railway, near Smith's Falls, Ont. Am J Sc (3) 25:200-202 (1883) Can Nat n s 10:385-387 (1883) McGill Univ, Peter Redpath Mus, Rp 2:7-9 (1883)

**83c** Preliminary notice of new fossils from the Lower Carboniferous limestones of Nova Scotia and Newfoundland. Can Nat n s 10:411-416 (1883) McGill Univ, Peter Redpath Mus, Rp 2:10-15 (1883)

**83d** Notice of graptolites of the Quebec group ... Can Nat n s 10:461-463 (1883) McGill Univ, Peter Redpath Mus, Rp 2:15-17 (1883)

**83e** Canadian Pleistocene. G Mag (2) 10:111-113 (1883)

**83f** The Quebec group. In Harrington, B. J., Life of Sir William Logan, Appendix A:403-418 (1883)

**Dawson, John William—Continued.**

**83g** Impressions on Potsdam sandstone [Rainbow Falls, Lake Champlain]. Science 1:177 (1883)

**83h** On moraines. Science 2:321 (1883)

**84** Observations on the geology of the line of the Canadian Pacific Railway. G Soc London, Q J 40:376-388 (1884) *Abst*, G Mag (3) 1:283-284 (1884)

**84a** On the geological relations and mode of preservation of *Eozoon canadense* (*abst*). Brit As, Rp 53:494 (1884) Can Rec Sc 1:58-59 (1884) Can Rec N H 1:57-59 (1884)

**84b** On the more ancient land floras of the old and new worlds (*abst*). Brit As, Rp 54:738-739 (1885) G Mag (3) 1:469-470 (1884)

**84c** Spores and spore cases from the Erian formation (*abst*). Can Rec N H 1:13 (1884)

**84d** On rhizocarps in the Paleozoic period (*abst*). Am As, Pr 32:260-264, il (1884) Science 2:326-327 (1883) Can Rec N H 1:19-27, il (1884) Can Rec Sc 1:19-27, il (1884)

**85** On some relations of geological work in Canada and the Old World. R Soc Can, Pr Tr 2, iv:1-5 (1885)

**85a** Canadian and Scottish geology. Edinb G Soc, Tr 5:112-122 (1885)

**85b** Ancient insects and scorpions. Can Rec Sc 1:207-208 (1885)

**85c** A modern type of plant in the Cretaceous [*Brasenia antiqua*, Belly River beds]. Science 5:514, il (1885)

**85d** (with **Bain**, F.) Notes on the geology and fossil flora of Prince Edward Island. Can Rec Sc 1:154-161, il (1885)

**86** Presidential address before the British Association for the Advancement of Science, September 1886 [geologic history of the Atlantic ocean]. Can Rec Sc 2:201-228, 265-285 (1886-7) Pop Sc Mo 30:41-51, 184-194 (1886) Sc Am Sup 22:9020-9023 (1886) Brit As, Rp 56:3-36 (1887)

**86a** On the Mesozoic floras of the Rocky Mountain region of Canada. R Soc Can, Pr Tr 3, iv:1-22, il (1886) *Abst*, Can Rec Sc 1:141-143 (1885); Science 5:531-532 (1885); Am Nat 19:699-700 (1885); Nature 33:32-34 (1885)

**86b** Cretaceous floras of the Northwest. Can Rec Sc 2:1-9 (1886)

**86c** Note on boulder drift and sea margins at Little Metis, lower St. Lawrence. Can Rec Sc 2:36-38 (1886)

**86d** On rhizocarps in the Erian (Devonian) period in America. Chicago Ac Sc, B 1:105-111, il (1886)

**86e** On the fossil flora of the Laramie series of western Canada (*abst*). Am J Sc (3) 32:242-243 (1886) Am Nat 20:157-158 (1886)



**Dawson, John William—Continued.**

**86f** On the relations of the geology of the Arctic and Atlantic basins (*abst.*). *Brit As*, Rp 56:638 (1887) *G Mag* (3) 3:504-505 (1886)

**86g** On Canadian examples of supposed fossil algae (*abst.*). *Brit As*, Rp 56:651-653 (1887) *G Mag* (3) 3:503-504 (1886)

**86h** (with **Grant**, C. E.) Notes on Pleistocene fossils from Anticosti. *Can Rec Sc* 2:44-48 (1886)

**87** Presidential address; Some points in which American geological science is indebted to Canada. *R Soc Can*, Pr Tr 4, iv:1-8 (1887)

**87a** On the fossil plants of the Laramie formation of Canada. *R Soc Can*, Pr Tr 4, iv:19-34, il (1887) *Abst*, *Am Nat* 20:635-637 (1886)

**87b** Correlation of the geological structure of the maritime province of Canada with that of western Europe (*abst.*). *Can Rec Sc* 2:404-406 (1887) *Science* 9:589-590 (1887)

**88** The geological history of plants. *The International Scientific Series* vol 61:290 pp, N Y 1888 Rv by L. F. Ward, *Am Nat* 22:335-337 (1888)

**88a** Cretaceous floras of the Northwest Territories of Canada. *Am Nat* 22:953-959 (1888)

**88b** Specimens of *Eozoon canadense* and their geological and other relations. McGill Univ, Peter Redpath Mus, Notes on specimens—Sept. 1888:107 pp, il *Extracts*, *Can Rec Sc* 3:201-226, il (1888)

**88c** Notes on new facts relating to *Eozoon canadense*. *G Mag* (3) 5:49-54, il (1888) *Abst*, *Br As*, Rp 57:702 (1888)

**88d** Note on fossil woods and other plant remains from the Cretaceous and Laramie formations of the western territories of Canada. *R Soc Can*, Pr Tr 5, iv:31-37 (1888) *Abst*, *Can Rec Sc* 2:499-502 (1887); *Nature* 36:274-275 (1887)

**88e** The earliest plants. *Pop Sc Mo* 32:787-795, il (1888)

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**88g** On sporocarps discovered by Prof. E. Orton in the Erian shale of Columbus, Ohio. *Can Rec Sc* 3:137-140 (1888)

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**92c** Fragments of Paleozoic sea floors from Hamilton, Ont., and Anticosti. Hamilton As, J Pr 8: 149–154 (1892)

**93** Geological notes. Hamilton As, J Pr 9: 97–135 (1893)

**94** Notes on local fossils in the glaciated chert Niagara beds. Hamilton As, J Pr 10: 79–89 (1894)

**95** Opening address [notes on fossils, Hamilton, Ont.]. Hamilton As, J Pr 11: 60–64 (1895)

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**95b** List of rock samples collected in 1894. *Minn G S, An Rp* 23:220-223 (1895)

**95c** (with **Winchell, H. V.**) Preliminary report on the Rainy Lake gold region. *Minn G S, An Rp* 23:36-105 (1895) *Abst*, *Zs prak G* 1897:92-94

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**05b** Structural relations of the Wisconsin zinc and lead deposits. Ec G 1:233-242 (1905)

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**Hall, James—Continued.**

**49** List of minerals, geological specimens, and fossils, added to the collection during 1847 and 1848. N Y St Cab, An Rp 2:65-70 (1849)

**49a** On the supposed impression in shale of the soft parts of *Orthoceras*. G Soc London, Q J 5:107-111, il (1849)

**50** Description of new species of fossils, and observations upon some other species, previously not well known, from the Trenton limestone. N Y St Cab, An Rp 3:173-183, il (1850)

**50a** On the trails and tracks in the sandstones of the Clinton group of New York ... Am As, Pr 2:256-260 (1850)

**50b** On the Brachiopoda of the Silurian period; particularly the Leptaenidae. Am As, Pr 2:347-351 (1850)

**50c** On graptolites, their duration in geological periods, and their value in the identification of strata. Am As, Pr 2:351-352 (1850)

**51** Catalogue of specimens of the rocks and fossils in the gray sandstone, Medina sandstone, Clinton group, Niagara group, Onondaga salt group, and a part of the Water-Lime group ... N Y St Cab, An Rp 4:117-146 (1851)

**51a** Report [on the preparation of volumes illustrating the paleontology of New York]. N Y, Legislature, S Doc no 32:9 pp [Albany 1851]

**51b** Lower Silurian system; Upper Silurian and Devonian series. In Foster, J. W., and Whitney, J. D., Report on the geology of the Lake Superior land district, pt 2 (U S, 32d Cong spec sess, S Ex Doc 4):140-166 (1851) Am J Sc (2) 17:181-194 (1854)

**51c** Description of new or rare species of fossils from the Paleozoic series. In Foster, J. W., and Whitney, J. D., Report on the geology of the Lake Superior land district, pt 2 (U S, 32nd Cong spec sess, S Ex Doc 4):203-231, il (1851)

**51d** Parallelism of the Paleozoic deposits of the United States and Europe. In Foster, J. W., and Whitney, J. D., Report on the geology of the Lake Superior land district, pt 2 (U S, 32nd Cong spec sess, S Ex Doc 4):285-318 (1851)

**51e** New genera of fossil corals. Am J Sc (2) 11:398-401 (1851)

**51f** [Discussion of paper, On the Silurian rocks of the Lake Superior land district, by Prof. Jas. Hall.] Am As, Pr 5:64-66 (1851)

**52** Descriptions of the organic remains of the lower middle division of the New York system. Pal N Y 2:362 pp, il (1852)

**Hall, James—Continued.**

**52a** A chart giving an ideal section of the successive formations, with an actual geological section from the Atlantic to the Pacific ocean, the whole illustrated by the characteristic fossils of each formation. 58 x 71 inches, Albany, N. Y. [1852]

**52b** Key to a chart of the successive geological formations, with an actual section from the Atlantic to the Pacific ocean, illustrated by the characteristic fossils of each formation. 72 pp, Boston 1852 [see also Hall, 52a]

**52c** Geology and paleontology. In Stansbury, Howard, Exploration and survey of the valley of the Great Salt Lake of Utah, including a reconnaissance of a new route through the Rocky Mountains (U S, 32nd Cong spec sess, S Ex Doc 3):399-414, il, Phila 1852 [another ed, with different title page, 1855]

**52d** Comparison of the geological features of Tennessee with those of the State of New York. Am As, Pr 6:256-259 (1852)

**52e** [Geological investigation on Drummond's Island and the north shore of Lakes Huron and Michigan.] Am Ac Arts, Pr 2:253-254 (1852)

**54** (with **Lyell**, Charles) Rapport sur la partie géologique de l'exposition de New York. An Mines (5) 6:1-83 (1854)

**55** Notes on some fossils of the so-called Taconic system described by Doctor Emmons. Am J Sc (2) 19:434-435 (1855)

**55a** The Mauvais Terres [Bad Lands, Nebr.]. Can J 3:357 (1855)

**56** Descriptions and notices of the fossils collected upon the route [Whipple's reconnaissance near the thirty-fifth parallel]. U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 3 pt 4:99-105, il (1856)

**56a** (and **Meek**, F. B.) Descriptions of new species of fossils from the Cretaceous formations of Nebraska, with observations upon *Baculites ovatus* and *B. compressus*, and the progressive development of the septa in *Baculites*, *Ammonites*, and *Scaphites*. Am Ac Arts, Mem n s 5:379-411, il (1856)

**56b** On the genus *Tellinomya* and allied genera. Can Nat 1:390-395, il (1856) N Y St Cab, An Rp 10:181-186, il (1857)

**57** Descriptions of Paleozoic fossils... N Y St Cab, An Rp 10:39-180, il (1857)

**57a** Geology and paleontology of the boundary. In Emory, W. H., Report on the United States and Mexican boundary survey... (U S, 34th Cong 1st sess, S Ex Doc 108 and H Ex Doc 135), v 1 pt 2:101-140, map (1857) Pp 126-138, Observations upon the Cretaceous strata of the United States... reprinted in Am J Sc (2) 24:72-86 (1857)



**Hall, James—Continued.**

**57b** (assisted by **Lesley, J. P.**) Map illustrating the general geological features of the country west of the Mississippi River. [1857]

**57c** Direction of the currents of deposition and source of the materials of the older Paleozoic rocks (*abst*). *Can Nat* 2:284-286 (1857) *Can J n s* 3:88 (1858) *Edinb N Ph J n s* 6:348-349 (1857)

**57d** Observations upon the Carboniferous limestones of the Mississippi Valley (*abst*). *Am J Sc* (2) 23:187-203 (1857) *Am As, Pr* 10 pt 2:51-69 (1857) *M Mag* 9:529-542 (1857)

**57e** Remarks upon the genus *Archimedes* or *Fenestella* from the Carboniferous limestones of the Mississippi Valley. *Am As, Pr* 10 pt 2:176-180 (1857) *Am J Sc* (2) 23:203-204 (1857)

**57f** On some points in the geology of the upper Mississippi Valley (*abst*). *Edinb N Ph J n s* 5:362 (1857)

**57g** [Comments on Prof. Gibbs' paper on Niagara Falls.] *Am As, Pr* 10 pt 2:76-78 (1857)

**58** (and **Whitney, J. D.**) Report on the geological survey of the State of Iowa, embracing the results of investigations made during... 1855, 56 & 57. Vol 1 pt 1 *Geology*: xv, 472, 4, 4 pp, map; pt 2 *Paleontology*: 473-724, 3, 30 pp, il [Albany, N Y] 1858

**58a** Report. In Report of the commissioners of the geological survey [of Wisconsin]: 3-5, Madison 1858

**58b** Report [on Canadian graptolites]. *Can G S, Rp Prog* 1857:109-145 (1858)

**58c** Note upon the genus *Graptolithus*, and description of some remarkable new forms from the shales of the Hudson River group... *Can Nat* 3:139-150, 161-177, il (1858) *Abst, Am J Sc* (2) 26:117-119 (1858)

**58d** Crinoids of New York [in advance of Palenotology of New York, vol. 3]. *Am J Sc* (2) 25:276-279 (1858)

**59** Descriptions and figures of the organic remains of the Lower Helderberg group and the Oriskany sandstone. *N Y G S, Pal* 3:532 pp, il [pls vol] (1859)

**59a** Notice of the genera *Ambonychia*, *Palaearca*, and *Megambonia*. *N Y St Cab, An Rp* 12:8-14, il (1859)

**59b** Observations on the genera *Capulus*, *Pileopsis*, *Acroculia*, and *Platyceras*. *N Y St Cab, An Rp* 12:15-19, il (1859)

**59c** Observations on the genera *Platyostoma* and *Strophostylus*. *N Y St Cab, An Rp* 12:20-21, il (1859)

**59d** Observations on the genus *Nucleospira*. *N Y St Cab, An Rp* 12:24-26, il (1859)

**Hall, James—Continued.**

**59e** [Observations on genera of Brachiopoda.] *N Y St Cab, An Rp* 12:27-44, il (1859)

**59f** Notes upon the genus *Graptolithus*. *N Y St Cab, An Rp* 12:45-58, il (1859)

**59g** Trilobites of the shales of the Hudson River group. *N Y St Cab, An Rp* 12:59-62, il (1859)

**59h** Catalogue of the species of fossils... of New York. *N Y St Cab, An Rp* 12:63-96 (1859)

**59i** Supplementary note on the genus *Ambonychia*. *N Y St Cab, An Rp* 12:110, il (1859)

**59j** Contributions to the paleontology of Iowa; being descriptions of new species of Crinoidea and other fossils. *Iowa G S* 1 pt 2 *Sup*: 94 pp, il [Albany] 1859

**59k** New American trilobites [from Hudson River group of Vermont]. *Can J n s* 4:491-493 (1859)

**60** Notices of new forms of the genus *Graptolithus*, and allied genera. *N Y St Cab, An Rp* 13:55-64, il (1860)

**60a** [Observations on Brachiopoda.] *N Y St Cab, An Rp* 13:65-75, il (1860)

**60b** Descriptions of new species of fossils, from the Hamilton group of western New York, with notices of others from the same horizon in Iowa and Indiana. *N Y St Cab, An Rp* 13:76-94, il (1860)

**60c** Notes and observations upon the fossils of the Goniatile limestone in the Marcellus shale of the Hamilton group in... New York and those of the Goniatile beds of Rockford, Ind.; with some analogous forms from the Hamilton group proper. *N Y St Cab, An Rp* 13:95-112, 125, il (1860)

**60d** Note upon the tribolites of the shales of the Hudson River group in the town of Georgia, Vt. *N Y St Cab, An Rp* 13:113-119, il (1860) Report on the geology of Vermont (Hitchcock) 1:367-372 (1861)

**60e** New species of fossils from the Hudson River group of Ohio and other Western States. *N Y St Cab, An Rp* 13:119-121, il (1860)

**60f** Observations upon a new genus of Crinoidea, *Cheirocrinus*. *N Y St Cab, An Rp* 13:121-124, il (1860)

**60g** New species of fossils from the Niagara group of Wisconsin. Report of Progress for 1859. 4 pp. Albany 1860 [not seen]

**60h** Report... in relation to the geological survey of the State of Iowa... 15 pp, Des Moines, Iowa, 1860 Also in Iowa, Legislative documents, 1859-60 [not seen]

**60i** Descriptions of new species of fossils from the Silurian rocks of Nova Scotia. *Can Nat* 5:144-159, il (1860)



**Hall, James—Continued.**

**60j** On the formation of mountain ranges (*abst.*). *Can J n s* 5:542-544 (1860)

**61** ... fossils from the rocks of Hudson River group of Ohio and the Western States; with descriptions. *N Y St Cab, An Rp* 14:89-92 (1861)

**61a** Note on the genera *Bellerophon*, *Bucania*, *Carinaropsis*, and *Cyrtolites*. *N Y St Cab, An Rp* 14:93-98 (1861)

**61b** Descriptions of new species of fossils from the Upper Helderberg, Hamilton, and Chemung groups. *N Y St Cab, An Rp* 14:99-109 (1861)

**61c** Report of the superintendent of the Geological Survey, exhibiting the progress of the work, January 1, 1861 [including Descriptions of new species of fossils from the investigations of the Survey]. 52 pp, Madison 1861

**61d** Descriptions of new species of Crinoidea; from investigations of the Iowa Geological Survey. Preliminary notice. 19 pp, Albany 1861

**61e** Descriptions of new species of Crinoidea from the Carboniferous rocks of the Mississippi Valley. *Boston J N H* 7:261-328 (1861)

**61f** [On the Primordial fauna and Point Levis, Quebec, fossils.] *Am J Sc* (2) 31:220-226 (1861) *Can Nat* 6:113-120 (1861) *Can J n s* 6:284-292 (1861) Report on the geology of Vermont (Hitchcock) 1:382-386 (1861)

**61g** New species of *Orthoceras* [*hageri*]. In Report on the geology of Vermont (Hitchcock) 2:718, il (1861)

**62** ... descriptions of new species of fossils from the Upper Helderberg, Hamilton, and Chemung groups. *N Y St Cab, An Rp* 15:29-80 (1862) [Advance pub 1861]

**62a** [On the position of the goniatite beds of Rockford, Ind.] *N Y St Cab, An Rp* 15:81 (1862)

**62b** Preliminary notice of the trilobites and other Crustacea of the Upper Helderberg, Hamilton, and Chemung groups. *N Y St Cab, An Rp* 15:82-113 (1862) [Advance pub 1861]

**62c** Preliminary notice of some of the species of Crinoidea known in the Upper Helderberg and Hamilton groups of New York. *N Y St Cab, An Rp* 15:115-153, il (1862)

**62d** Observations upon a new genus of Brachiopoda. *N Y St Cab, An Rp* 15:154-155, il (1862)

**62e** Observations on the genera *Athyris* (= *Spirigera*), *Merista*, *Camarium*, and *Meristella*. *N Y St Cab, An Rp* 15:176-181, il (1862)

**62f** Descriptions of new species of fossils, chiefly from the Hamilton group of western New York. *N Y St Cab, An Rp* 15:181-191, il (1862)

**Hall, James—Continued.**

**62g** Note on the genus *Cypricardites*. *N Y St Cab, An Rp* 15:192-193, il (1862)

**62h** [Illustrations of Conrad's species, Annual report 1841.] *N Y St Cab, An Rp* 15:194, il (1862)

**62i** Notes and corrections. *N Y St Cab, An Rp* 15:195-197 (1862)

**62j** (and Whitney, J. D.) Report of the geological survey of the State of Wisconsin. Volume I. 455 pp, maps [Albany, N. Y.] 1862 [Whitney's part also issued separately. See Whitney, 62]

**62k** Paleontology of Wisconsin; remarks upon the condition of the fossils in the rocks of the several formations; catalogue of fossils known in the Paleozoic formations of Wisconsin, with observations upon some of the known species and descriptions of several new forms. In Report of the geological survey of the State of Wisconsin, vol. I:425-442 (1862)

**62l** [Sur la faune primordiale en Amérique.] *Soc G France, B* (2) 19:725-734 (1862)

**62m** On the Catskill group of New York. *Can Nat* 7:377-381 (1861)

**62n** On a new crustacean from the Potsdam sandstone [*Aglaspis*, Wisconsin.] *Can Nat* 7:443-445, il (1862) *Abst, Am J Sc* (2) 35:295 (1863)

**62o** On the Taconic system of Dr. Emmons. *Am Ph Soc, Pr* 9:5-7 (1862)

**62p** ... on the Potsdam sandstone and Hudson River rocks in Vermont. *Am J Sc* (2) 33:106-108 (1862)

**62q** ... rejoinder to criticisms ... on his Contributions to paleontology. *Am J Sc* (2) 33:127-132 (1862)

**63** Descriptions of new species of Brachiopoda from the Upper Helderberg, Hamilton, and Chemung groups. *N Y St Cab, An Rp* 16:19-37 (1863)

**63a** Observations upon some of the Brachiopoda, with reference to the characters of the genera *Cryptonella*, *Centronella*, *Meristella*, *Trematospira*, *Rynchospira*, *Retzia*, *Leptocoelia*, and allied forms. *N Y St Cab, An Rp* 16:38-59, il (1863)

**63b** Note on the genus *Leptocoelia*. *N Y St Cab, An Rp* 16:59-61, il (1863)

**63c** Observations upon the genus *Strophorhynchus*, with remarks upon some species heretofore referred to the genera *Strophomena* and *Orthis*. *N Y St Cab, An Rp* 16:61-66, il (1863)

**63d** Note on the geological range of the genus *Receptaculites* in American Paleozoic strata. *N Y St Cab, An Rp* 16:67-69 (1863)

**63e** Note on the occurrence of *Astylospongia* in the Lower Helderberg rocks. *N Y St Cab, An Rp* 16:69-70 (1863)



**Hall, James—Continued.**

**63f** On the occurrence of crustacean remains of the genera *Ceratiocaris* and *Dithyrocaris*, with a notice of some new species from the Hamilton group and Genesee slate. N Y St Cab, An Rp 16:71-75, il (1863)

**63g** Observations upon some spiral-growing fucoidal remains of the Paleozoic rocks of New York. N Y St Cab, An Rp 16:76-83, il (1863)

**63h** Observations upon the genera *Uphantaenia* and *Dictyophyton*; with notices of some species from the Chemung group of New York, and the Waverly sandstone of Ohio. N Y St Cab, An Rp 16:84-91, il (1863)

**63i** The flora of the Devonian period. N Y St Cab, An Rp 16:92-118, il (1863)

**63j** ...fauna of the Potsdam sandstone... of the upper Mississippi Valley. N Y St Cab, An Rp 16:119-222, il (1863) Albany Inst, Tr 5:93-195, il (1867)

**63k** Notes and corrections. N Y St Cab, An Rp 16:223-226 (1863)

**63l** Observations upon some of the Brachiopoda, with reference to the genera *Cryptonella*, *Centronella*, *Meristella*, and allied forms. Albany Inst, Tr 4:125-148, il (1864) Am J Sc (2) 35:396-406; 36:11-15, il (1863)

**64** Preliminary notice of some species of Crinoidea from the Waverly sandstone series of Summit Co., Ohio, supposed to be of the age of the Chemung group of New York. N Y St Cab, An Rp 17:50-60 (1864)

**64a** [Remarks on the Catskill group.] Albany Inst, Tr 4:307-308 (1864)

**64b** Notice of some new species of fossils from a locality of the Niagara group, in Indiana; with a list of identified species from the same place. Albany Inst, Tr 4:195-228 (1864)

**64c** Description of new species of fossils from the Carboniferous limestones of Indiana and Illinois. Albany Inst, Tr 4:1-36 (1864)

**64d** (and **Logan, W. E.**) On the geology of eastern New York. Can Nat n s 1:368-369 (1864) Am J Sc (2) 39:96-97 (1864)

**65** Figures and descriptions of Canadian organic remains; Decade II, Graptolites of the Quebec group. Can G S:151 pp, il (1865)

**65a** On the graptolites of the Quebec group. Can Nat n s 2:42-53 (1865)

**65b** On the occurrence of an internal convoluted plate within the body of certain species of Crinoidea. Boston Soc N H, Pr 10:33-34 (1865) An Mag N H (3) 17:398-399 (1866)

**Hall, James—Continued.**

**66** Descriptions of some new species of Crinoidea and other fossils from the Lower Silurian strata of the age of the Hudson River group and Trenton limestone. 17 pp. Printed in advance from the Report of the State Cabinet for 1866. Albany, 1866 N Y St Mus, An Rp 24:205-224 (1872)

**66a** Observations on some species of *Spirifera*. Am Ph Soc, Pr 10:246-254 (1866) Pal N Y 4:251-257 (1867)

**67** Descriptions and figures of the fossil Brachiopoda of the Upper Helderberg, Hamilton, Portage, and Chemung groups. N Y G S, Pal 4:428 pp, il (1867)

**67a** Notice of volume IV of the Paleontology of New York. N Y St Cab, An Rp 20:145-168, il (1867)

**67b** Introduction to the study of the Graptolitidae. N Y St Cab, An Rp 20:169-240, il (1867)

**67c** [Observations on genera of Brachiopoda.] N Y St Cab, An Rp 20:241-281, il (1867)

**67d** [Notes on *Paleaster* and other Echinodermata.] N Y St Cab, An Rp 20:282-304, il (1867)

**67e** Account of some new or little known species of fossils from rocks of the age of the Niagara group. N Y St Cab, An Rp 20:305-401, il (1867) [Rev ed, 1870]

**67f** On the geological structure of the southern part of Minnesota (*abst*). Can Nat n s 3:120-121 (1866) [1867]

**67g** On the geological relations of the mastodon and fossil elephant of North America (*abst*). Am Nat 1:500 (1867)

**68** Report on building stones. 68 pp. Albany, N. Y., 1868

**69** Geological history of the North American continent; a lecture delivered before the American Institute in New York. 24 pp, Albany 1869

**69a** Notes upon the geology of some portions of Minnesota, from St. Paul to the western part of the State. Am Ph Soc, Tr n s 13:329-340 (1869)

**69b** (with **Logan, W. E.**) Geological map of Canada ... [and of adjacent parts of the United States]. Scale 1:1,584,000. Can G S 1866 [1869] Notice, Am J Sc (2) 49:394-398 (1870)

**70** On the relations of the Oneonta sandstone and Montrose sandstone of Vanuxem with the Hamilton and Chemung groups (*abst*). Am Nat 4:563-565, 639-640 (1870)

**70a** Recent progress in geology (*abst*). Albany Inst, Tr 6:291-294 (1870)

**71** Notes and observations on the Cohoes [N. Y.] mastodon. N Y St Cab, An Rp 21:99-128 (1871)



**Hall, James—Continued.**

**71a** [Report on the] geological survey of the State of Wisconsin, 1859-1863. Paleontology, Part Third. Organic remains of the Niagara group and associated limestones. 94 pp, il, Albany 1871 [See also 67e]

**71b** On the fossil bivalve shells of the Upper Helderberg, Hamilton, Portage, and Chemung groups (*abst*). Albany Inst, Pr 1:125-127 (1871)

**71c** [On fossil trees from Gilboa, Schoharie Co., N. Y.] Albany Inst, Pr 1:129-131, 132-134 (1871)

**72** (and **Whitfield, R. P.**) Description of new species of fossils from the vicinity of Louisville, Ky., and the Falls of the Ohio. N Y St Mus, An Rp 24:181-200 (1872)

**72a** (and **Whitfield, R. P.**) Remarks on some peculiar impressions in sandstone of the Chemung group, N. Y. N Y St Mus, An Rp 24:201-204, il (1872)

**72b** Description of new species of fossils from the Hudson River group, in the vicinity of Cincinnati, Ohio. N Y St Mus, An Rp 24:225-232, il (1872) [Advance print 1871]

**72c** Reply to a "Note on a question of priority." Am J Sc (3) 4:105-109 (1872)

**72d** On the occurrence of trunks of *Psaronius* in an erect position, resting on their original bed, in rocks of the Devonian age in the State of New York ... (*abst*). Brit As, Rp 42:sec 103 (1872)

**72e** On the occurrence of trunks of *Psaronius* in an erect position resting on their original bed, in rocks of Devonian age in the State of New York ... G Mag 9:463-465 (1872)

**72f** On the relations of the middle and upper Silurian (Clinton, Niagara, and Lower Helderberg) rocks of the United States. G Mag 9:509-513 (1872) *Abst*, Brit As, Rp 42:sec 103-104 (1873)

**73** (and **Whitfield, R. P.**) Descriptions of new species of fossils from the Devonian rocks of Iowa. N Y St Cab, An Rp 23:223-239 (1873)

**73a** (and **Whitfield, R. P.**) Notice of three new species of fossil shells from the Devonian of Ohio. N Y St Cab, An Rp 23:240-241 (1873)

**73b** (and **Whitfield, R. P.**) Notice of two new species of fossil shells from the Potsdam sandstone of New York. N Y St Cab, An Rp 23:241-242 (1873)

**73c** [Note on *Trematis*.] N Y St Cab, An Rp 23:243 (1873)

**73d** Notes on some new or imperfectly known forms among the Brachiopoda, etc. N Y St Cab, An Rp 23:244-247 (1873)

**74** Record of borings of Gardner oil well No. 3 at East Shamburg, Pa. N Y St Mus, An Rp 26:31-33 (1874)

**74a** Descriptions of Bryozoa and corals of the Lower Helderberg group. N Y St Mus, An Rp 26:93-116 (1874)

**Hall, James—Continued.**

**74b** On the relations of the Niagara and Lower Helderberg formations, and their geographical distribution in the United States and Canada. Am As, Pr 22 pt 2:321-335 (1874) N Y St Mus, An Rp 27:117-131 (1875) *Abst*, Can Nat n s 7:157-159 (1874)

**75** Descriptions of new species of Goniatitidae, with a list of previously described species. N Y St Mus, An Rp 27:132-136 (1875)

**75a** (and **Whitfield, R. P.**) Descriptions of invertebrate fossils, mainly from the Silurian system. Ohio G S, Rp 2 pt 2 Paleontology:65-157, il (1875)

**75b** (and **Whitfield, R. P.**) Crinoids of the Genesee slate and Chemung group. Ohio G S, Rp 2 pt 2 Paleontology:158-161, il (1875)

**75c** (and **Whitfield, R. P.**) Crinoidea of the Waverly group. Ohio G S, Rp 2 pt 2 Paleontology:162-179, il (1875)

**75d** Report [on Hoosac tunnel]. In Boston, Hoosac Tunnel, and Western Railroad Company, Report of the Corporators (Mass., H Doc no 9), Appendix:iii-xxiv, Boston 1875

**76** The fauna of the Niagara group, in central Indiana. N Y St Mus, An Rp 28:99-203, il [dec ed, without text, 1876] (1879)

**76a** Illustrations of Devonian fossils; corals of the Upper Helderberg and Hamilton groups. N Y G S, Pal:39 pls and expl (1876)

**76b** Note upon the geological position of the serpentine limestone of northern New York and an inquiry regarding the relations of this limestone to the Eozoon limestones of Canada (*abst*). Am J Sc (3) 12:298-300 (1876)

**76c** On the geology of the southern counties of New York and adjacent parts of Pennsylvania, especially with reference to the age and structure of the Catskill Mountain Range (*abst*). Am As, Pr 24 pt 2:80-84 (1876) Am J Sc (3) 12:300-304 (1876)

**77** (and **Whitfield, R. P.**) Paleontology. U S G Expl 40th Par (King), 4:197-302, il (1877)

**78** Note on the genus *Plumalina*. N Y St Mus, An Rp 30:255-256, il (1878)

**78a** Note upon the history and value of the term Hudson River group in American geological nomenclature. Am As, Pr 26:259-265 (1878)

**78b** [Geology of the Catskill region, N. Y.] Albany Inst, Pr 2:126-130, 213-217 (1878)

**78c** [Observations on the geological structure of Marthas Vineyard and adjacent islands, Mass.] Albany Inst, Pr 2:148-149 (1878)

**78d** On the geology of the Au Sable region. Albany Inst, Pr 2:247-250 (1878)



Hall, James—Continued.

**79** Descriptions of the Gastropoda, Pteropoda, and Cephalopoda of the Upper Helderberg, Hamilton, Portage, and Chemung groups. N Y G S, Pal 5 pt 2: xv, 492 pp, il [pls vol] (1879)

**79a** Notice of some remarkable crinoidal forms from the Lower Helderberg group. N Y St Mus, An Rp 28: 205–210, il (1879)

**79b** Corals and bryozoans of the Lower Helderberg group. N Y St Mus, An Rp 32: 141–176 (1879)

**79c** The hydraulic beds and associated limestones at the Falls of the Ohio. Albany Inst, Tr 9: 169–180 (1879)

**80** Sur la nomenclature des terrains paléozoïques aux États-Unis. Int G Cong, Paris 1878, C R: 60–67, (1880)

**80a** Note upon the relations of the Oneonta and Montrose sandstones of Vanuxem, and their relation to the sandstones of the Catskill Mountains. Science (ed, Michels) 1: 290 (1880)

**82** Memorial [*in re* Paleontology of New York] to the legislature of the State of New York. N Y, Senate Doc No 80, 5 pp (1882) [See also N Y Senate Doc No. 88, 17 pp (1882)]

**82a** Descriptions of the species of fossils found in the Niagara group at Waldron, Ind. Ind, Dp G N H, An Rp 11: 217–345, il (1882)

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**83b** Fossil corals and bryozoans of the Lower Helderberg group, and fossil bryozoans of the Upper Helderberg group [illustrations]. N Y St G, An Rp 2: 17, il (1883)

**83c** List of Niagara fossils from Waldron, Ind. N Y St Mus, An Rp 36: 21–25 (1883)

**83d** Bryozoa (*Fenestellidae*) of the Hamilton group. N Y St Mus, An Rp 36: 57–72 (1883)

**83e** On the structure of the shell in the genus *Orthis*. N Y St Mus, An Rp 36: 73–75, il (1883)

**83f** Description of a new species of *Stylonurus* from the Catskill group [N. Y.] N Y St Mus, An Rp 36: 76–77, il (1883)

**83g** [Description of *Cryptozoön proliferum*, n. g. and sp.] N Y St Mus, An Rp 36: pl 6 and explanation (1883)

**83h** Van Cleve's fossil corals. Ind, Dp G N H, An Rp 12: 239–270, il (1883)

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**83i** Descriptions of fossil corals from the Niagara and Upper Helderberg groups of Indiana. Ind, Dp G N H, An Rp 12: 271–318, il (1883) *In part*, N Y St Mus, An Rp 35: 407–464 (1884)

**83j** [Spergen Hill fossils.] Ind, Dp G N H, An Rp 12: 319–375, il (1883)

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**84c** [Third annual] report of the State geologist for the year 1883. N Y, Assembly Doc no 111: 61 pp (1884)

**84d** Descriptions of the bryozoans of the Hamilton group (*Fenestellidae* excepted). N Y St G, An Rp 3: 5–61 (1884)

**84e** Preliminary notice of the lamellibranchiate shells of the Upper Helderberg, Hamilton, and Chemung groups. N Y St Mus, An Rp 35: 215–406g (1884)

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**85g** Note on the Eurypteridae of the Devonian and Carboniferous formations of Pennsylvania; with a supplementary note on *Stylonurus excelsior*. *Am As, Pr* 33: 420-422 (1885)

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**14** The Pleistocene mammals of Iowa. *Iowa G S* 23:662 pp, il (1914)

**15** Contributions to the knowledge of the mammals of the Pleistocene of North America. *U S Nat Mus, Pr* 48:515-575, il (1915) *Abst, Wash Ac Sc, J* 5:582-583 (1915)

**15a** A contribution to the knowledge of the extinct sirenian *Desmostylus hesperus* Marsh. *U S Nat Mus, Pr* 49:381-397, il (1915)

**16** Descriptions of two extinct mammals of the order Xenarthra from the Pleistocene of Texas. *U S Nat Mus, Pr* 51:107-123, il (1916)

**16a** Descriptions of some fossil vertebrates found in Texas. *Tex Univ, B* 1916 no 71:24 pp, il (1916)

**16b** Descriptions of some Floridian fossil vertebrates belonging mostly to the Pleistocene. *Fla G S, An Rp* 8:39-76, il (1916)

**16c** Investigation of the vertebrate paleontology of the Pleistocene epoch. *Carnegie Inst Wash, Y Bk* 14:386-387 (1916)

**17** Description of a new species of Mastodon, *Gomphotherium elegans*, from the Pleistocene of Kansas. *U S Nat Mus, Pr* 53:219-221, il (1917)

**17a** Description of a new species of extinct horse, *Equus lambei*, from the Pleistocene of Yukon Territory. *U S Nat Mus, Pr* 53:435-443, il (1917)

**17b** The Quaternary deposits at Vero, Fla., and the vertebrate remains contained therein. *J G* 25:52-55 (1917)

**17c** Vertebrata mostly from stratum No. 3 at Vero, Fla., together with descriptions of new species. *Fla G S, An Rp* 9:43-68, il (1917)

**17d** On the finding of supposed Pleistocene human remains at Vero, Fla. *Wash Ac Sc, J* 7:358-360 (1917)

**17e** On a collection of fossil vertebrates made by Dr. F. W. Cragin from the *Equus* beds of Kansas. *Kans Univ Sc B* 10:39-51, il (1917)

**17f** Investigation of the vertebrate paleontology of the Pleistocene epoch. *Carnegie Inst Wash, Y Bk* no 15:374-375 (1917)

**18** Further considerations of the occurrence of human remains in the Pleistocene deposits at Vero, Fla. *Am Anthropologist n s* 20:1-36 (1918)

**Hay, Oliver Perry—Continued.**

**18a** A review of some papers on fossil man at Vero, Fla. *Science n s* 47:370-371 (1918)

**18b** Doctor Aleš Hrdlička and the Vero [Fla.] man. *Science n s* 48:459-462 (1918)

**18c** [Report of work on Pleistocene Vertebrata]. *Carnegie Inst Wash, Y Bk* 16, 1917:331-332 (1918)

See also Osborn, 051

**Hay, Robert (1835-1895).**

**83** The igneous rocks of Kansas. *Kans Ac Sc, Tr* 8:14-18 (1883)

**83a** Fossil wood [Kansas]. *Kans Ac Sc, Tr* 8:20-22 (1883)

**85** Preliminary report on the geology of Norton Co., Kans. *Kans Ac Sc, Tr* 9:17-24, map (1885)

**85a** Notes on the fossil jaw of *Bison* from the Pliocene of Norton Co. [Kans.]. *Kans Ac Sc, Tr* 9:98 (1885)

**85b** In the Dakota [Kans.]. *Kans Ac Sc, Tr* 9:109-113 (1885)

**87** A geological section in Wilson Co., Kans. *Kans Ac Sc, Tr* 10:6-8 (1887)

**87a** Report on geology. *Kans Ac Sc, Tr* 10:21-22 (1887)

**87b** (and Thompson, A. H.) Historical sketch of geological work in the State of Kansas. *Kans Ac Sc, Tr* 10:45-52 (1887)

**87c** Natural gas in eastern Kansas. *Kans Ac Sc, Tr* 10:57-62 (1887) *Kans St Bd Agr, Bien Rp* 5 pt 2:198-208 (1887)

**87d** Note on a remarkable fossil. *Kans Ac Sc, Tr* 10:128-129, il (1887)

**89** Horizon of the Dakota lignite. *Kans Ac Sc, Tr* 11:5-8 (1889)

**89a** The geology of Kansas. *Kans Ac Sc, Tr* 11:35-37 (1889)

**89b** The Triassic rocks of Kansas (*abst*). *Kans Ac Sc, Tr* 11:38-39 (1889)

**89c** Recent discoveries of rock salt in Kansas (*abst*). *Am As, Pr* 37:184-185 (1889)

**89d** Northwest Kansas; its topography, geology, climate, and resources. *Kans St. Bd Agr, Bien Rp* 6 pt 2:92-116 (1889)

**89e** Salt; its discovery and manufacture in Kansas... *Kans St Bd Agr, Bien Rp* 6 pt 2:192-204 (1889)

**90** A geological reconnaissance in southwestern Kansas. *U S G S, B* 57:49 pp, map (1890)

**90a** Report [of investigations of artesian water conditions of the Great Plains]. *U S, 51st Cong 1st sess, S Ex Doc* 222:37-47 (1890)

**90b** Notes on some Kansas salt marshes. *Kans Ac Sc, Tr* 12:97-100 (1890)

**90c** Notes on a Kansas salt mine. *Am G* 5:65-67 (1890)



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**90d** Artesian wells in Kansas and the causes of their flow. *Am G* 5:296-301 (1890)

**92** Sandstone dikes in northwestern Nebraska. *G Soc Am*, B 3:50-55 (1892)

**92a** A contribution to the geology of the Great Plains. *G Soc Am*, B 3:519-521 (1892)

**93** Artesian and underflow investigation between the ninety-seventh meridian and the foothills of the Rocky Mountains. *U S*, 52d Cong 1st sess, S Ex Doc 41 pt 3:7-39, map (1893)

**93a** Geology and mineral resources of Kansas. *Kans St Bd Agr*, Bien Rp 8 pt 2:99-162, map (1893)

**93b** President's address [the geology of the Great Plains]. *Kans Ac Sc*, Tr 13:3-6 (1893)

**93c** Notice on some new species of fossil cephalopods. *Kans Ac Sc*, Tr 13:37-47, il (1893)

**93d** Additional note on the Brenham meteorite. *Kans Ac Sc*, Tr 13:75 (1893)

**93e** Note on the occurrence of granite in a deep boring in eastern Kansas. *Kans Ac Sc*, Tr 13:75-76 (1893)

**93f** Some characteristics of the glaciated area of northeastern Kansas. *Kans Ac Sc*, Tr 13:104-106 (1893)

**95** Water resources of a portion of the Great Plains. *U S G S*, An Rp 16 pt 2:535-588, maps (1895)

**96** The geology of the Fort Riley Military Reservation and vicinity, Kans. *U S G S*, B 137:35 pp, map (1896)

**96a** On the eastern extension of the Cretaceous rocks in Kansas and the formation of certain sand hills. *Kans Ac Sc*, Tr 14:227-229 (1896)

**96b** The river counties of Kansas; some notes on their geology and mineral resources. *Kans Ac Sc*, Tr 14:230-260 (1896)

**96c** A bibliography of Kansas geology. *Kans Ac Sc*, Tr 14:261-278 (1896)

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**00** Records of post-Triassic changes in Kings Co., N. S. *N S Inst Sc*, Pr Tr 10 or (2) 3:287-302 (1900)

**02** The geological history of the Gasperreau Valley, N. S. *N S Inst Sc*, Pr Tr 10 or (2) 3:361-375 (1902)

**02a** Fossils, possibly Triassic, in glaciated fragments in the boulder clay of Kings Co., N. S. *N S Inst Sc*, Pr Tr 10 or (2) 3:376-378 (1902)

**03** Geology of the west coast of Vancouver Island. *Can G S*, Sum Rp 1902 (An Rp 15):A 76-92 (1903)

**05** Geology of part of the County of Ottawa [Que.]. *Can G S*, Sum Rp 1904 (An Rp 16):A 232-239 (1905)

**Haycock, Ernest—Continued.**

**06** [Report on the] geology of parts of the counties of Labelle and Wright, Quebec. *Can G S*, Sum Rp 1905:105-112 (1906)

**Hayden, C. B.**

**43** On the rock salt and salines of the Holston [Va.]. *Am J Sc* 44:173-179 (1843)

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**86** The earthquake of August 31, 1886 [Charleston earthquake]. *Science* 8:224-226 map (1886)

**86a** The Charleston earthquake; some further observations. *Science* 8:246-248 (1886)

**86b** Earthquake sounds. *Science* 8:369-370 (1886)

**87** Professor Newberry on earthquakes. *Science* 9:18 (1887)

**87a** (with Dutton, C. E.) Abstract of the results of the investigation of the Charleston earthquake. *Science* 9:489-501 (1887)

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**56** Geological notes etc., on Nebraska. In Warren, G. K., Explorations in the Dakota country in the year 1855; *U S*, 34th Cong 1st sess, S Ex Doc 76:66-79 (1856)

**56a** (with Meek, F. B.) Descriptions of new species of Gastropoda from the Cretaceous formations of Nebraska Terr. *Ac N Sc Phila*, Pr 8, 63-69 (1856)

**56b** (with Meek, F. B.) Descriptions of new species of Gastropoda and Cephalopoda from the Cretaceous formations of Nebraska Terr. *Ac N Sc Phila*, Pr 8:70-72 (1856)

**56c** (with Meek, F. B.) Descriptions of twenty-eight new species of Acephala and one gastropod from the Cretaceous formations of Nebraska Terr. *Ac N Sc Phila*, Pr 8:81-87 (1856)

**56d** (with Meek, F. B.) Descriptions of new species of Acephala and Gastropoda, from the Tertiary formations of Nebraska Terr., with some general remarks on the geology of the country about the sources of the Missouri River. *Ac N Sc Phila*, Pr 8:111-126 (1856)

**56e** (with Meek, F. B.) Descriptions of new fossil species of Mollusca...; together with a complete catalogue of all the remains of Invertebrata hitherto described and identified from the Cretaceous and Tertiary formations [of Nebraska Terr.]. *An N Sc Phila*, Pr 8:265-286 (1856)

**57** ...geological structure of the country bordering on the Missouri River, from the mouth of the Platte River to Fort Benton, in lat. 47° 30' N., long. 110° 30' W. *Ac N Sc Phila*, Pr 1857:109-116, map

**57a** Notes on the geology of the Mauvaises Terres of White River, Nebraska Terr. *Ac N Sc Phila*, Pr 1857:151-158



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**57b** (with Meek, F. B.) Descriptions of new species and genera of fossils, collected by Dr. F. V. Hayden in Nebraska Terr...; with some remarks on the Tertiary and Cretaceous formations of the Northwest... Ac N Sc Phila, Pr 1857: 117-148

**58** Explanations of a second edition of a geological map of Nebraska and Kansas, based upon information obtained in an expedition to the Black Hills... Ac N Sc Phila, Pr 1858: 139-158 [In part] Am J Sc (2) 26: 404-408 (1858)

**58a** (with Meek, F. B.) Fossils of Nebraska [Black Hills]. National Intelligencer March 16, 1858 [not seen]. Am J Sc (2) 25: 439-441 (1858)

**58b** (with Meek, F. B.) Remarks on the lower Cretaceous beds of Kansas and Nebraska, together with descriptions of some new species of Carboniferous fossils from the valley of Kansas River. Ac N Sc Phila, Pr 10: 256-266 (1858) Am J Sc (2) 27: 219-227, il (1859)

**58c** (with Meek, F. B.) On the probable existence of Permian rocks in Kansas Terr. Ac N Sc Phila, Pr 1858: 9-10

**58d** (with Meek, F. B.) Descriptions of new organic remains collected in Nebraska Terr... together with some remarks on the geology of the Black Hills and portions of the surrounding country. Ac N Sc (2) 27: 219-227, il (1859)

**59** Catalogue of the collections in geology and natural history obtained by the expedition under command of Lieut. G. K. Warren. In Warren, G. K., Preliminary account of explorations in Nebraska and Dakota in the years 1855-56-57; U S, War Dp, An Rp 1858 (U S, 35th Cong 2d sess, H Ex Doc 2): 673-705 (1859); Reprint: 59-125, Washington 1875

**59a** Geological sketch of the estuary and fresh water deposit of the Badlands of the Judith, with some remarks upon the surrounding formations. Am Ph Soc, Tr n s 11: 123-138, map (1859)

**59b** (with Meek, F. B.) On the so-called Triassic rocks of Kansas and Nebraska. Am J Sc (2) 27: 31-35 (1859)

**59c** (with Meek, F. B.) Geological explorations in Kansas Territory. Ac N Sc Phila, Pr 1859: 8-30. (In part) Am J Sc (2) 27: 424-432 (1859)

**60** Notes on the geology of Nebraska and Utah Territory. Am J Sc (2) 29: 433-434 (1860)

**60a** (with Meek, F. B.) On a new genus of patelliform shells from the Cretaceous rocks of Nebraska. Am J Sc (2) 29: 33-35 (1860)

**60b** (with Meek, F. B.) Descriptions of new organic remains from the Tertiary, Cretaceous, and Jurassic rocks of Nebraska. Ac N Sc Phila, Pr 1860: 175-185

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**60c** (with Meek, F. B.) Systematic catalogue, with synonyma, etc., of Jurassic, Cretaceous, and Tertiary fossils collected in Nebraska Terr... Ac N Sc Phila, Pr 1860: 417-432

**61** Sketch of the geology of the country about the headwaters of the Missouri and Yellowstone rivers. Am J Sc (2) 31: 229-245 (1861) U S G Geog S Terr (Hayden), Prel Rp 1878: 21-29 (1878)

**61a** (with Meek, F. B.) Descriptions of new Lower Silurian (Primordial), Jurassic, Cretaceous, and Tertiary fossils, collected in Nebraska Terr..., with some remarks on the rocks from which they were obtained. Ac N Sc Phila, Pr 1861: 415-447

**62** On the geology and natural history of the upper Missouri. Am Ph Soc, Tr n s 12: 1-218, map (1863) Separate, 218 pp, map, Phila 1862

**62a** The Primordial sandstone of the Rocky Mountains in the northwestern territories of the United States. Am J Sc (2) 33: 68-79, il (1862) Extr, Can J n s 7: 149-151 (1862)

**62b** Some remarks in regard to the period of elevation of those ranges of the Rocky Mountains near the sources of the Missouri River and its tributaries. Am J Sc (2) 33: 305-313 (1862) U S G Geog S Terr (Hayden), Prel Rp 1878: 9-13 (1878)

**62c** (with Meek, F. B.) Descriptions of new Cretaceous fossils from Nebraska Terr... Ac N Sc Phila, Pr 1862: 21-28

**64** (with Meek, F. B.) Descriptions of new organic remains from northeastern Kansas, indicating the existence of Permian rocks in that territory. Albany Inst, Tr 4: 73-88 (1864)

**65** (with Meek, F. B.) Paleontology of the upper Missouri; invertebrates. Smiths Contr Knowl 14 art 5 (172): 135 pp, il (1865)

**66** [On a visit to Pipestone quarry, Minn.] Am Ph Soc, Pr 10: 274-275 (1866)

**66a** Description of an extensive chalk deposit on the Missouri River. Am Ph Soc, Pr 10: 277 (1866)

**66b** On the geology of the Missouri Valley. Am Ph Soc, Pr 10: 292-296 (1866)

**66c** On the lignite beds on the upper tributaries of the Missouri [River]. Am Ph Soc, Pr 10: 300-307 (1866)

**66d** [On the Pipestone quarry of Dakota.] Ac N Sc Phila, Pr 1866: 291-292

**66e** [On the extensive chalk deposit of the Missouri River.] Ac N Sc Phila, Pr 1866: 314

**67** First annual report of the United States Geological Survey of the Territories embracing Nebraska. U S, Gen Land Off Rp 1867: 100-107, 124-177 (U S, 40th Cong 2d sess, H Ex Doc 1 v 3: 128-135, 152-205) (1867) Reprint: 5-64 (1873)



**Hayden, Ferdinand Vandiveer—Contd.**

**67a** Sketch of the geology of north-eastern Dakota, with a notice of a short visit to the celebrated Pipestone quarry. *Am J Sc* (2) 43:15-22 (1867)

**67b** Remarks on the Cretaceous rocks of the West known as No. 1, or the Dakota group. *Am J Sc* (2) 43:171-179 (1867)

**67c** Notes on the geology of Kansas. *Am J Sc* (2) 44:32-40 (1867)

**67d** [On the Black Hills.] *Am Ph Soc, Pr* 10:322-326 (1867)

**68** Second annual report of the United States Geological Survey of the Territories, embracing Wyoming. *U S, Gen Land Off, Rp* 1868:111-120, 220-255 (*U S, 40th Cong 3d sess, H Ex Doc 1 v 2*) (1868) Reprint:65-102 (1873)

**68a** Rocky Mountain coal beds. *Am J Sc* (2) 45:101-102 (1868)

**68b** Notes on the lignite deposits of the West. *Am J Sc* (2) 45:198-208 (1868)

**68c** Remarks on the geological formations along the eastern margins of the Rocky Mountains. *Am J Sc* (2) 45:322-326 (1868) *U S G Geog S Terr* (Hayden), *Prel Rp* 1878:13-16 (1878)

**68d** Remarks on the possibility of a workable bed of coal in Nebraska. *Am J Sc* (2) 45:326-330 (1868)

**69** Preliminary field report [third annual] of the United State Geological Survey of Colorado and New Mexico. 155 pp, Washington 1869 Reprint:103-251 (1873)

**69a** Geological report of the exploration of the Yellowstone and Missouri rivers, under the direction of...W. F. Raynolds, 1859-60. 174 pp, map, Washington 1869 (*U S, 40th Cong 2d sess, S Ex Doc 77*)

**69b** On the geology of the Tertiary formations of Dakota and Nebraska. *Ac N Sc Phila, J* (2) 7:9-21, map (1869)

**69c** Notes on the geology of Wyoming and Colorado Territories. *Am Ph Soc, Pr* 10:463-478; 11:25-56 (1869)

**70** Sun pictures of Rocky Mountain scenery, with a description of the geographical and geological features and some account of the resources of the Great West. 150 pp, N Y 1870

**70a** Sections of strata belonging to the "Bear River group" near Bear River City, Wyo. *Am Ph Soc, Pr* 11:420-425 (1870)

**71** Preliminary report [fourth annual] of the United States Geological Survey of Wyoming and portions of contiguous Territories (being a second annual report of progress). 511 pp, Washington 1871

**72** Preliminary report of the United States Geological Survey of Montana and portions of adjacent Territories, being a fifth annual report of progress. 538 pp, maps, Washington 1872

**Hayden, Ferdinand Vandiveer—Contd.**

**72a** (assisted by Peale, A. C.) [Geologic map of] Montana and Wyoming Territories, embracing most of the country drained by the Madison, Gallatin, and upper Yellowstone rivers. Scale, 4 miles to 1 inch. *U S G S Terr* (Hayden) n d [1872]

**72b** Final report of the United States Geological Survey of Nebraska and portions of the adjacent Territories... *U S, 42d Cong 1st sess, H Ex Doc 19:264 pp, map* (1872)

**72c** The hot springs and geysers of the Yellowstone and Firehole rivers. *Am J Sc* (3) 3:105-115, 161-176 (1872)

**72d** The Yellowstone National Park. *Am J Sc* (3) 3:294-297 (1872)

**72e** Die neu entdeckten Geyser-Gebiete am oberen Yellowstone und Madison River. *Petermanns Mitt* 18:241-253, 321-326 (1872)

**73** Sixth annual report of the United States Geological Survey of the Territories ... for the year 1872. 844 pp, maps, Washington 1873

**73a** First, second, and third annual reports of the United States Geological Survey of the Territories for the years 1867, 1868, and 1869 [Reprints]. 261 pp, Washington 1873

**74** [Seventh] annual report of the United States Geological and Geographical Survey of the Territories, embracing Colorado, being a report of progress of the exploration for the year 1873. 718 pp, maps, Washington 1874

**74a** [On the age of the lignitic group.] *U S G Geog S Terr* (Hayden), *B* [1] no 2: 1-2 (1874)

**75** Note on some peculiar forms of erosion in eastern Colorado, with heliotype illustrations. *U S G Geog S Terr* (Hayden), *B* [1] no 3 (2):210-211 (1875)

**75a** Notes on the surface features of the Colorado or Front Range of the Rocky Mountains. *U S G Geog S Terr* (Hayden), *B* [1] no 4 (2):215-220 (1875)

**76** [Eighth] annual report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent territories, being a report of progress of the exploration for the year 1874. 515 pp, maps, Washington 1876

**76a** Notes on the lignitic group of eastern Colorado and portions of Wyoming. *U S G Geog S Terr* (Hayden), *B* [1] no 5 (2):401-411 (1876)

**76b** Notes descriptive of some geological sections of the country about the headwaters of the Missouri and Yellowstone rivers. *U S G Geog S Terr* (Hayden), *B* 2:197-209 (1876)



**Hayden, Ferdinand Vandiveer—Contd.**

**76c** The Yellowstone Park and the mountain regions of portions of Idaho, Nevada, Colorado, and Utah. 48 pp, maps, Boston 1876 [not seen]

**76d** On the ore-bearing rocks of Colorado. *Am J Sc* (3) 12:71 (1876)

**76e** Summary of the field work of the Hayden geological survey during the season of 1875. *The Republic* 6:149-160 (1876)

**77** Ninth annual report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent Territories, being a report of progress of the exploration for the year 1875. 827 pp, maps, Washington 1877

**77a** Preliminary report of the field work of the United States Geological and Geographical Survey of the Territories for the season of 1877. *U S, 45th Cong 2d sess, H Ex Doc 1 pt 5* (Report of the Secretary of the Interior, v 1):755-787 (1877) Also separate, 35 pp, Washington 1877

**77b** Notes on some artesian borings along the line of the Union Pacific Railroad in Wyoming Territory. *U S G Geog S Terr* (Hayden), B 3:181-185 (1877)

**77c** (in charge) Geological and geographical atlas of Colorado and portions of adjacent territory. *U S G Geog S Terr* (Hayden). 1877, another ed 1881

**77d** Sketch of the origin and progress of the United States Geological and Geographical Survey of the Territories. 15 pp, Washington 1877

**77e** Explorations made under the direction of F. V. Hayden in 1876. *Am J Sc* (3) 13:68-74 (1877) *The Republic* 8:17-24 (1877)

**77f** Progress of the U. S. geological survey ... *The Republic* 8:217-226 (1877)

**78** Tenth annual report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent territories, being a report of progress of the exploration for the year 1876. 546 pp, maps, Washington 1878

**78a** Preliminary report of the field work of the U. S. Geological and Geographical Survey of the Territories for the season of 1878. 29 pp, Washington 1878

**78b** Letter ... transmitting report of Professor Hayden upon geological and geographical surveys. *U S, 45th Cong 2d sess, H Ex Doc 81:22* pp, map (1878)

**78c** Summary of the field work of the United States Geological and Geographical Survey of the Territories. *Am J Sc* (3) 15:56-60 (1878)

**78d** The field work of the U. S. Geological and Geographical Survey of the Territories, for the season of 1877. *Am Nat* 12:96-114 (1878)

**78e** Discovery of recent glaciers in Wyoming. *Am Nat* 12:830-831 (1878)

**78f** Wasatch group. *Am Nat* 12:831 (1878)

**Hayden, Ferdinand Vandiveer—Contd.**

**78g** Glaciers in the Wind River Mountains [Wyo.]. *Science News* 1:20-21 (1878)

**79** Eleventh annual report of the United States Geological and Geographical Survey of the Territories, embracing Idaho and Wyoming, being a report of exploration for the year 1877. 720 pp, maps, Washington 1879

**80** The great West ... 87 pp, Phila 1880

**80a** Twin Lakes and Teocalli Mountain, central Colorado, with remarks on the glacial phenomena of that region. *Am Nat* 14:858-862 (1880)

**83** Twelfth annual report of the United States Geological and Geographical Survey of the Territories; a report of progress of the exploration in Wyoming and Idaho for the year 1878. In two parts, 809, 503 pp, maps, Washington 1883.

**83a** General geologic map of the area explored and mapped by Dr. F. V. Hayden and the surveys under his charge 1869-1880. Scale 1:2 600 000. n d [1883?] [Also in *U S G Geog S Terr* (Hayden), 12th An Rp]

See also King (C), 80; Powell, 82, 85, 85a, 88

**Hayden, Horace Edwin.**

**01** Ralph Dupuy Lacoe. Wyoming Hist G Soc, Pr 6:39-54, port (1901) *Am G* 98:335-344, port (1901)

**Hayden, Horace Handel (1769-1844).**

**11** Geological sketch of Baltimore. *Baltimore Med Phil Lyc* 1:255-271 (1811) (in pt) *Am Miner J* 1:243-248 (1814)

**20** Geological essays, or an inquiry into some of the geological phenomena to be found in various parts of America and elsewhere. 412 pp, Baltimore 1820 *Rv* by Silliman, B., *Am J Sc*, 3:47-57 (1821)

**22** Notice of a singular ore of cobalt and manganese [Maryland]. *Am J Sc* 4:283-284 (1822) *Transl. in* Struve, H von, *Beiträge zur Mineralogie und Geologie des nördlichen Amerikas*:119-121, Hamburg 1822

**30** ... geology of the country near Bedford Springs in Pennsylvania, and the Bath or Berkeley Spring in Virginia. *Am J Sc* 19:97-104 (1830)

**33** Description of the Bare Hills near Baltimore. *Am J Sc* 24:349-360 (1833)

**Hayes, Albert Orion.**

**14** Geology of the St. John map area, N. B. *Can G S, Sum Rp* 1913:228-243 (1914)

**14a** Geology of the Wabana iron ore of Newfoundland (*abst*). *G. Soc Am, B* 25:74 (1914)

**15** Wabana iron ore of Newfoundland. *Can G S, Mem* 78:163 pp, map (1915)

**15a** St. John map area, N. B. *Can G S, Sum Rp* 1914:100-101 (1915); 1915:179 (1916)



**Hayes, Albert Orion—Continued.**

**16** Origin of the Wabana iron ore. *Can M Inst, Tr* 18:225-246, map [1916]

**17** Investigations in New Brunswick and Nova Scotia. *Can G S, Sum Rp* 1916: 261-284, map (1917)

**18** Investigations in Nova Scotia. *Can G S, Sum Rp* 1917 pt F: 20-32 (1918)

**Hayes, Augustus Allen.**

**42** (with **Teschemacher, J. E.**) On the identity of pyrochlore with the microlite of Professor Shepard. *Am J Sc* 43: 33-35 (1842)

**44** Re-examination of microlite and pyrochlore. *Am J Sc* 46: 158-166 (1844)

**45** On the Alabama meteoric iron. *Am J Sc* 48: 147-156 (1845)

**51** [On crystallized quartz containing crystals of rutile from Waterbury, Vt.] *Boston Soc N H, Pr* 4: 23-24 (1851)

**55** [On the underground water at Boston, Mass.] *Boston Soc N H, Pr* 5: 191-194 (1855)

**55a** [On the so-called verd-antique marble from Roxbury, Vt.] *Boston Soc N H, Pr* 5: 260-263, 339-341 (1855-6)

**56** On serpentine rock. *Am J Sc* (2) 21: 382-385 (1856)

**56a** [On coal at the Albert mine in New Brunswick.] *Boston Soc N H, Pr* 5: 306-307 (1856)

**56b** [On saline matter in rocks of eastern Massachusetts.] *Boston Soc N H, Pr* 6: 30 (1856)

**57** [On the origin of the concretions called claystones (with discussion by Charles Stodder).] *Boston Soc N H, Pr* 6: 134-139 (1857)

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**67a** Relations of geology to theology. *Bibliotheca Sacra* 24:363-388, 429-481 (1867)

**68** [On the geology of Andover, Mass.]. *Essex Inst, Pr* 5:157-160 (1868)

**68a** New American fossil fish from the Devonian. *G Mag* 5:184-185, il (1868)

**68b** New Carboniferous reptiles and fishes from Ohio, Kentucky, and Illinois. *G Mag* 5:186-187 (1868)

**68c** The Winooski marble of Colchester, Vt. (*abst*). *Am As, Pr* 16:119 (1868) *Am Nat* 1:621 (1868)

**68d** The geology of Vermont (*abst*). *Am As, Pr* 16:120-122 (1868)

**68e** Explanation of a geological map of Maine. *Am As, Pr* 16:123 (1868)

**68f** The distortion and metamorphosis of pebbles in conglomerates (*abst*). *Am As, Pr* 16:124-127 (1868) *Am Nat* 1:621 (1868) *Can Nat n s* 3:302 (1868)

**69** First annual report upon the geology and mineralogy of the State of New Hampshire. 36 pp, map, Manchester 1869

**69a** Notes on the supposed fossil footmarks in Kansas. *Am J Sc* (2) 47:132-133 (1869)

**70** Second annual report upon the geology and mineralogy of the State of New Hampshire. 37 pp, map, Manchester 1870

**70a** The geology of Vermont, 5 pp, fol, 1870 [not seen; author has stated that only 25 copies were circulated]

**70b** The lithology of New Hampshire; preliminary catalogue of 250 typical specimens, collected by the geological survey. 20 pp [n p, n d, 1870?]

**70c** The geology and topography of the White Mountains (*abst*). *Am Nat* 4:567-568 (1870)

**70d** Geological map [of New York]. In Asher & Adams, New topographical atlas and gazetteer of New York:11-12, *N Y* [1870] [not seen]

**70e** The elevation of mountains. *The Dartmouth*, 4:121-124 (1870)

**70f** The Calaveras skull. *Eng M J* 9:345-346 (1870)

**71** Report of the geological survey of the State of New Hampshire showing its progress during the year 1870. 82 pp, Nashua 1871



**Hitchcock, Charles Henry—Continued.**

**71a** The distribution of maritime plants in North America; a proof of oceanic submergence in the Champlain period (*abst*). *Am As*, Pr 19:175-181 (1871) Notice by J. D. Dana, *Am J Sc* (3) 2:207-208 (1871)

**71b** Helderberg corals in New Hampshire. *Am J Sc* (3) 2:148-149 (1871)

**71c** Geological explorations in the Rocky Mountains, U. S. A. *G Mag* 8:127-128 (1871)

**71d** Geological description [and geologic map] of Massachusetts. In Walling & Gray, Official topographical atlas of Massachusetts:17-22, map, 1871

**72** Report of the geological survey of the State of New Hampshire, showing its progress during the year 1871. 56 pp, map, Nashua 1872

**72a** Norian rocks in New Hampshire. *Am J Sc* (3) 3:43-47 (1872)

**72b** [On the fossils of Littleton, N. H.] *Boston Soc N H*, Pr 14:392 (1872)

**72c** Description of the geological map [of the United States]. *U S Ninth Census* 3:754-756 (1872)

**73** Report of the geological survey of the State of New Hampshire showing its progress during the year 1872. 15 pp, Nashua 1873

**73a** Relations of geology to agriculture. *N H*, Bd Agr, 3d An Rp:171-176, map (1873)

**73b** Classification of the rocks of New Hampshire [with discussion by C. T. Jackson and T. S. Hunt.] *Boston Soc N H*, Pr 15:304-309 (1873)

**73c** Explanation of a new geological map of New Hampshire (*abst*). *Am As*, Pr 21:134-135 (1873)

**73d** Recent geological discoveries among the White Mountains, N. H. *Am As*, Pr 21:135-151 (1873)

**73e** Footprints in the rocks. *Pop Sc Mo* 3:428-441, il (1873)

**73f** The coal areas of the United States of America. *G Mag* 10:99-101 (1873)

**73g** (and Blake, W. P.) [Description of] geological map of the United States compiled for the Ninth Census, 1872. *G Mag* 10:371-373 (1873)

**73h** (and Blake, W. P.) Geological map of the United States. Accompanying the report of Rossiter W. Raymond, United States Commissioner of Mining Statistics. Scale 1 inch=90 miles. 1873.

**74** (and Blake, W. P.) Geological map of the United States. In *U S Ninth Census*, Statistical Atlas pl 13-14 (1874) [Also issued with other publications] *Rv*, *Am J Sc* (3) 6:64-66 (1873)

**74a** Map of the coal fields of the United States. In *U S Ninth Census*, Statistical Atlas pl 11-12 (1874)

**Hitchcock, Charles Henry—Continued.**

**74b** The coal measures of the United States. In *U S Ninth Census*, Statistical Atlas:12-14 (1874)

**74c** The geology of New Hampshire... Part I, Physical geography. 668 pp, Concord 1874

**74d** On Helderberg rocks in New Hampshire. *Am J Sc* (3) 7:468-476, 557-571; 8:68, map (1874)

**74e** Geological history of Winnipiseogee Lake. *Am As*, Pr 22 pt 2:120-131 (1874)

**74f** Note upon the Cretaceous strata of Long Island. *Am As*, Pr 22 pt 2:131-132 (1874)

**74g** The geology of Portland. *Am As*, Pr 22 pt 2:163-175 (1874)

**74h** (and Huntington, J. H.) Geology of the northwest part of Maine. *Am As*, Pr 22 pt 2:205-214, map (1874)

**74i** The world before the introduction of life. *Pop Sc Mo* 4:513-528 (1874)

**75** Physical history of New Hampshire (*abst*). *Am As*, Pr 23 pt 2:76-78 (1875)

**76** Existence of glacial action upon the summit of Mt. Washington, N. H. *Am As*, Pr 24 pt 2:92-96 (1876) *Sc Mo*, Toledo, O, 1:581-587 (1876)

**76a** Stratigraphical structure of the Cambrian and Cambro-Silurian rocks of western Vermont. *Boston Soc N H*, Pr 18:191-193 (1876)

**76b** The Atlantic system of mountains (*abst*). *Appalachia* 1:11-14 (1876)

**76c** Ideal sections ... on line of fortieth parallel. *Cal Ac Sc*, Pr 6:pls opp 123 (1876)

**76d** Geological description [and geological map of the United States]. In *The national atlas* ... (O. W. Gray & Son): 181-184, map, Phila 1876 [Also appears in numerous later editions]

**77** The geology of New Hampshire ... Part II, Stratigraphical geology. 684 pp, map, Concord 1877

**77a** Physical history of New Hampshire; a paper presented to the Board of Agriculture. 17 pp, Concord 1877

**77b** Lenticular hills of glacial drift. *Boston Soc N H*, Pr 19:63-67 (1877)

**77c** [On the formation of mountain ranges.] *Essex Inst*, B 9:163-165 (1877)

**77d** Geology of the White Mountains [N. H.]. *Appalachia* 1:70-76 (1877)

**77e** Note upon the Connecticut Valley Helderberg. *Am J Sc* (3) 13:313-314 (1877)

**77f** The earlier forms of life. *Pop Sc Mo* 10:257-272 (1877)

**77g** Geology [and geological map of New Hampshire and Vermont] In Walling, H. F., *Atlas of the State of New Hampshire*...:9-17, 44-45 (map), N Y, Comstock & Cline, 1877

**78** (and others) The geology of New Hampshire... Parts III-V [vol 3]. 386+262, 103 pp, Concord 1878



**Hitchcock, Charles Henry—Continued.**

**78a** Glacial drift. *Geology of N H*, pt 3 [vol 3]:177-338 (1878)

**78b** The Atlantic system of mountains. *Geology of N H*, pt 3 [vol 3]:366-371 (1878)

**78c** The geological map [of New Hampshire]. *Geology of N H*, pt 3 [vol 3]: 371-372 (1878)

**78d** Economic geology [of New Hampshire]. *Geology of N H*, pt V [vol 3]:103 pp, map (1878)

**78e** Atlas accompanying the report on the geology of New Hampshire. N Y 1878

**78f** The geology of the Ammonoosuc mining district. (An extract from the *Geology of New Hampshire*.) 121 pp, maps, Concord 1878

**78g** Glacial markings among the White Mountains [N. H.]. *Appalachia* 1:243-246 (1878)

**79** Report on the Ammonoosuc gold fields, N. H. 11 pp [priv pub, n p, 1879]

**79a** The glacial period in eastern America. *G Mag* (2) 6:248-250 (1879)

**79b** The Loraine group. *Science News* 1:153-155 (1879)

**81** North America in the ice period. *Pop Sc Mo* 20:229-242 (1881)

**81a** Geological map of the United States [explanatory text]. 29 pp, N Y 1881 Notice, *Am J Sc* (3) 21:505-506 (1881)

**82** The crystalline rocks of Virginia compared with those of New England. *Am I M Eng, Tr* 10:477-480 (1882) *The Virginias* 4:11-12 (1883)

**82a** On Flat Top coal field [W. Va.]. *The Virginias* 3:81 (1882)

**83** The early history of the North American Continent. *Science* 2:293-297 (1883) *Am As, Pr* 32:181-193 (1884) *Sc Am Sup* 16:6468-6470 (1883)

**83a** The glacial flood of the Connecticut River valley (*abst*). *Am As, Pr* 31:325-329 (1883)

**84** Description of geological sections crossing New Hampshire and Vermont. 33 pp, Concord, N H., 1884 Notice by J. D. Dana, *Am J Sc* (3) 29:66 (1885)

**84a** Geological sections across New Hampshire and Vermont. *Am Mus N H, B* 1:155-179 (1884) Also, with title, Description of geological sections crossing New Hampshire and Vermont, 33 pp, Concord, N. H., 1884

**84b** The geological position of the Philadelphia gneisses (with discussion by P. Frazer and T. D. Rand). *Am I M Eng, Tr* 12:68-71 (1884)

**84c** Identification of the Green Mountain gneisses in eastern New England (*abst*). *Am As, Pr* 33:396-397 (1885) *Science* 4:327 (1884)

**Hitchcock, Charles Henry—Continued.**

**85** The geology of northern New England (*contains* The geology of Vermont, 5 pp March 1st 1870; *Geology* [of Maine], 4 pp, map [1885]; [New Hampshire] topography [and] geology, 17 pp, map [of N. H. and Vt.] [1874]), folio (1885?)

**85a** The crystalline rocks of Alabama. *Am J Sc* (3) 30:278-283 (1885)

**85b** The recent landslide in the White Mountains. *Science* 6:84-87 (1885)

**85c** The latest slides in the White Mountains. *Science* 6:306 (1885)

**87** The geological map of the United States. *Am I M Eng, Tr* 15:465-488, map (1887)

**87a** The late eruption from Kilauea. *Science* 9:180-185 (1887)

**88** Date of publication of the report upon the geology of Vermont. *Boston Soc N H, Pr* 24:33-37 (1888)

**88a** Report of the subcommittee on the Quaternary and Recent. *In* International Congress of Geologists, American Committee, Reports... H 12 pp, Phila 1888 *Am G* 2:300-306 (1888) *Int G Cong, IV, London* 1888, C R App A:211-219 (1891)

**88b** Genesis of the Hawaiian Islands (*abst*). *Am As, Pr* 36:222-223 (1888)

**89** Recent progress in ichnology. *Boston Soc N H, Pr* 24:117-127 (1889)

**89a** Conglomerates in New England gneisses. *Am G* 3:253-256 (1889)

**89b** The discovery of fossil tracks in the Triassic of York Co., Pa. *Am As, Pr* 37:186 (1889)

**90** The use of the terms Laurentian and Newark in geological treatises. *Am G* 5:197-202 (1890)

**90a** Significance of oval granitoid areas in the lower Laurentian (*abst*, with discussion by G. H. Williams). *G Soc Am, B* 1:557-558 (1890)

**90b** Wright's "Ice age in North America and its bearings on the antiquity of man." *Bibliotheca Sacra* 47:99-121 (1890)

**90c** Field studies of hornblende schist (*abst*). *Am As, Pr* 38:251 (1890)

**91** The Redonda phosphate (with discussion by N. H. Winchell). *G Soc Am, B* 2:6-9 (1891)

**92** Studies of the Connecticut valley glacier (with discussion). *G Soc Am, B* 4:3-7 (1892) *Abst, Am G* 10:193-194, 217-218 (1892)

**92a** Terminal moraines in New England (*abst*). *Am G* 10:219-220 (1892) *Am As, Pr* 41:173-175 (1892)

**92b** The Green Mountains' anticlinal. *Science* 20:328 (1892)

**93** Glaciation of the White Mountains, N. H. *G Soc Am, B* 5:35-37 (1893)

**93a** A single glacial epoch in New England. *Am G* 11:194-195 (1893)

**94** Ancient eruptive rocks in the White Mountains [N. H.] (*abst*). *Am G* 13:213 (1894)



**Hitchcock, Charles Henry—Continued.**

**95** The Connecticut sandstone group. *Science n s* 1:74-77 (1895)

**95a** Divisions of the ice age in the United States and Canada. *Am G* 15:330-335 (1895)

**95b** Edward Hitchcock. *Am G* 16:133-149, port. (1895)

**95c** High-level gravels in New England (*abst* with discussion by J. W. Spencer). *G Soc Am, B* 6:460-461 (1895) *Am G* 15:199 (1895) *Science n s* 1:60 (1895)

**95d** Champlain glacial epoch (*abst*). *G Soc Am, B* 7:2-4 (1895) *Am G* 16:235-236 (1895) *Science n s* 2:278 (1895) *Ottawa Nat* 9:151 (1895)

**95e** Gotham's cave; or fractured rocks in northern Vermont (*abst*). *Am G* 16:248 (1895) *Am As, Pr* 44:133 (1896)

**96** The geology of New Hampshire. *J G* 4:44-62 (1896)

**96a** Paleozoic terranes in the Connecticut Valley (*abst*). *G Soc Am, B* 7:510-512 (1896) *Am G* 17:105-107 (1896) *Science n s* 3:56 (1896)

**97** Sketch of W. W. Mather. *Am G* 19:1-15, port. (1897)

**97a** The eastern lobe of the ice sheet. *Am G* 20:27-33 (1897)

**97b** Note on the stratigraphy of certain homogeneous rocks (*abst*). *G Soc Am, B* 8:389-390 (1897) *Science n s* 5:86 (1897)

**98** Recent progress in ichnology. *U S G S, Mon* 29:400-406 (1898)

**98a** The Hudson River lobe of the Laurentide ice sheet (*abst*). *Am As, Pr* 47:292 (1898) *Am G* 22:255 (1898) *Science n s* 8:467 (1898)

**98b** The southern lobe of the Laurentian ice sheet (*abst*). *Brit As, Rp* 67:653-654 (1898)

**00** William Lowthian Green and his theory of the evolution of the earth's features. *Am G* 25:1-10, port (1900)

**00a** Geology of Oahu. *G Soc Am, B* 11:15-57, map (1900)

**00b** Evidences of interglacial deposits in the Connecticut Valley (*abst*). *G Soc Am, B* 12:9-10 (1900) *Sc Am* 83:22 (1900)

**00c** Volcanic phenomena on Hawaii. *G Soc Am, B* 12:45-56 (1900)

**01** The story of Niagara. *Am Antiquarian* 23:1-24 (1901) *N Y, Comm St Res Niagara, An Rp* 17:75-107 (1901)

**01a** Tuff cone at Diamond Head, Hawaiian Islands (*abst*). *G Soc Am, B* 12:462 (1901) *Science n s* 13:98 (1901)

**03** Notice of a species of *Acidaspis* from a boulder of Marcellus shale, found in drift, at West Bloomfield, N. J. *Am Mus N H, B* 19:97-98, il (1903)

**03a** Mohokea caldera on Hawaii. *G Soc Am, B* 14:6-8 (1903) *Abst, Science n s* 16:260 (1902)

**Hitchcock, Charles Henry—Continued.**

**03b** Protection of terraces in the upper Connecticut River (*abst*). *Science n s* 17:224 (1903) *J G* 11:121-123 (1903)

**04** Glaciation of the Green Mountain Range. *Vt, St G, Rp* 4:67-85 (1904)

**04a** New studies in the Ammonoosuc district of New Hampshire. *G Soc Am, B* 15:461-482, map (1904) *Abst, Science n s* 19:524 (1904); *Sc Am Sup* 57:23446 (1904)

**05** The geology of Littleton, N. H. (Reprinted from History of Littleton.) 32 pp, map, Cambridge, U. S. A., 1905

**05a** Kilauea again active. *Science n s* 21:551 (1905)

**05b** Fresh-water springs in the ocean. *Pop Sc Mo* 67:673-683 (1905)

**06** Surficial geology of the region about Burlington [Vt.] *Vt, St G, Rp* 5:232-235 (1906)

**06a** The Champlain deposits of northern Vermont. *Vt, St G, Rp* 5:236-253 (1906)

**06b** Geology of Diamond Head, Oahu. *G Soc Am, B* 17:469-484 (1906)

**06c** Mohokea caldera [Hawaii]. *G Soc Am, B* 17:485-496 (1906)

**07** Glacial Lake Memphremagog (*abst*). *Science n s* 25:773 (1907) *G Soc Am, B* 18:641-642 (1908)

**08** Geology of the Hanover, N. H., quadrangle. *Vt, St G, Rp* 6:139-186 (1908) *Abst, Science n s* 28:381-384 (1908)

**08a** News from Kilauea. *Science n s* 28:19-20 (1908)

**08b** (and Patten, W.) Studies of the tracks of *Climaticnites* (*abst*). *Science n s* 28:382 (1908)

**09** Hawaii and its volcanoes. 314 pp, Honolulu 1909 2d ed, with sup 1911

**09a** The volcano Kilauea. *Am Geog Soc, B* 41:684-691 (1909)

**10** Surficial geology of the Champlain basin. *Vt, St G, Rp* 7:199-212 (1910)

**10a** Supplementary note on the organization of the Geological Society of America. *G Soc Am, B* 21:741-746 (1910)

**11** The geology of Oahu in its relation to the artesian supply. *Hawaiian Forester and Agriculturist* 8:27-29 (1911)

**12** The Strafford quadrangle. *Vt, St G, Rp* 8:100-145 (1912)

**12a** Tertiary deposits of Oahu (*abst*). *G Soc Am, B* 23:71 (1912)

**12b** The Hawaiian earthquakes of 1868. *Seism Soc Am, B* 2:181-192, maps (1912)

**15** Tertiary rocks of Oahu [Hawaiian Islands] (*abst*). *G Soc Am, B* 26:133-134 (1915)

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**Hitchcock, Edward** (1793-1864).

**15** Southampton lead mine [Mass.]; basaltic columns [Mount Holyoke, Mass.]. *N Am Rv* 1:334-338 (1815)



**Hitchcock, Edward—Continued.**

**18** ... geology and mineralogy of a section of Massachusetts on Connecticut River, with a part of New Hampshire and Vermont. *Am J Sc* 1:105-116, 436-439, map (1818)

**23** ... geology, mineralogy, and scenery of the regions contiguous to the River Connecticut, with a geological map and drawings of organic remains. *Am J Sc* 6:1-86, 201-236; 7:1-30 (1823)

**24** ... geology of Marthas Vineyard and the Elizabeth Islands. *Am J Sc* 7:240-248 (1824)

**24a** Notice of a singular conglomerate, and of an interesting locality of trap tuff or tufa. *Am J Sc* 8:244-247 (1824)

**25** Notice of several localities of minerals in Massachusetts. *Am J Sc* 9:20-23 (1825)

**26** Chlorophoeite [Turners Falls, Mass.]. *Am J Sc* 10:393-394 (1826)

**28** Miscellaneous notices of mineral localities, with geological remarks. *Am J Sc* 14:215-230 (1828)

**29** Tin in Massachusetts. *Am J Sc* 16:188-191 (1829)

**32** Report on the geology of Massachusetts... *Am J Sc* 22:1-70, map (1832)

**32a** A geological map of Massachusetts [to accompany Report on the geology of Mass., 1833] Boston [1832] [not seen] [also later editions]

**33** Report on the geology, mineralogy, botany, and zoology of Massachusetts. 700 pp, map, il (in atlas), Amherst 1833 2d ed, 702 pp, Amherst 1835

**35** On certain causes of geological change now in operation in Massachusetts. *Boston J N H* 1:69-82 (1835)

**35a** The connection between geology and natural religion. *Biblical Repository* 5:113-138 (1835)

**35b** The connection between geology and the Mosaic history of the creation. *Biblical Repository* 5:439-450; 6:261-332 (1835)

**36** Description of the footmarks of birds (ornithichnites) on new red sandstone in Massachusetts. *Am J Sc* 29:307-340, il (1836)

**36a** Ornithichnites in Connecticut. *Am J Sc* 31:174-175 (1836)

**36b** Sketch of the geology of Portland [Me.] and its vicinity. *Boston J N H* 1:306-347, map (1836)

**36c** Remarks on Professor Stuart's examination of Gen. 1, in reference to geology. *Biblical Repository* 7:448-487 (1836)

**37** Fossil footsteps in sandstone and graywacke. *Am J Sc* 32:174-176 (1837)

**37a** Researches in theoretical geology, by H. T. de la Beche, with preface and notes by Prof. Edward Hitchcock. 342 pp, N Y 1837

**Hitchcock, Edward—Continued.**

**38** Report on a re-examination of the economical geology of Massachusetts. 139 pp, Boston 1838

**40** Elementary geology. Amherst 1840 Numerous later editions.

**41** Final report on the geology of Massachusetts; Vol. I, containing economical geology, scenographical geology; Vol. II, containing scientific geology, elementary geology. Vol I: xii, 1-299, map, Amherst 1841; vol II: 301-831, il, map, Northampton 1841

**41a** First anniversary address before the Association of American Geologists at their second annual meeting in Philadelphia, April 5, 1841. *Am J Sc* 41:232-275 (1841) Reprint, 48 pp. New Haven (1841)

**41b** [On joints in rocks] (*abst*). *Am J Sc* 41:173 (1841) As *Am G*, Rp:25-26 (1843)

**42** On the phenomena of drift in this country (*abst* with discussion). *Am J Sc* 43:151-154 (1842) As *Am G*, Rp:45-49 (1843)

**42a** Remarks upon Mr. Murchison's anniversary address... [explanation of drift phenomena]. *Am J Sc* 43:396-398 (1842)

**43** The phenomena of drift, or glacio-aqueous action in North America between the Tertiary and alluvial periods. As *Am G*, Rp:164-221 (1843)

**43a** [On drift phenomena]. *Am J Sc* 45:324-325 (1843)

**43b** Description of five new species of fossil footmarks, from the red sandstone of the valley of Connecticut River. As *Am G*, Rp:254-264, il (1843)

**43c** Description of several species of fossil plants from the new red sandstone formation of Connecticut and Massachusetts. As *Am G*, Rp:294-296, il (1843)

**44** Explanation of the geological map attached to the topographical map of Massachusetts. 22 pp, Boston 1844

**44a** Geological map of Massachusetts. Scale, 5 miles to 1 inch or 1:316 800. Inset on Topographical map of Massachusetts [Simeon Borden], Boston 1844

**44b** The trap tufa or volcanic grit of the valley of the Connecticut River (*abst*). *Am J Sc* 47:103-104 (1844)

**44c** Dispersion of blocks of stone at the drift period in Berkshire County, Mass. (*abst*). *Am J Sc* 47:132-133 (1844)

**44d** Report on ichnolithology or fossil footmarks, with description of several new species and the coprolites of birds, and of a supposed footmark from the valley of Hudson River. *Am J Sc* 47:292-322, il; (*abst*) 113-114 (1844)

**44e** Discovery of more native copper in the town of Whately in Massachusetts, in the valley of the Connecticut River, with remarks upon its origin. *Am J Sc* 47:322-323 (1844)



**Hitchcock, Edward—Continued.**

**44f** (with **Deane**, James.) On the discovery of fossil footmarks. *Am J Sc* 47: 381-401 (1844)

**45** ... on fossil footmarks, the lincolnite, etc. *Am J Sc* 48: 61-65 (1845)

**45a** Description of a singular case of the dispersion of blocks of stone connected with drift in Berkshire Co., Mass. *Am J Sc* 49: 258-265 (1845)

**45b** An attempt to name, classify, and describe the animals that made the fossil footmarks of New England (*abst*). *As Am G, Pr* 6: 23-25 (1845)

**45c** Remarkable facts respecting the magnetic polarity of trap rocks in New England (*abst*). *As Am G, Pr* 6: 32 (1845)

**46** [Notes on the geology of Vermont.] *In* Adams, C. B., Second annual report on the geology of the State of Vermont: 247-252 (1846)

**47** Description of two new species of fossil footmarks found in Massachusetts and Connecticut. *Am J Sc* (2) 4: 46-57, il (1847)

**47a** On the trap tuff, or volcanic grit, of the Connecticut Valley, with the bearings of its history upon the age of the trap rock and sandstone generally in that valley. *Am J Sc* (2) 4: 199-207 (1847)

**47b** [On drift phenomena in New England.] *Am J Agr* 6: 216 (1847)

**48** An attempt to discriminate and describe the animals that made the fossil footmarks of the United States and especially of New England. *Am Ac Arts, Mem n s* 3: 129-256, il (1848)

**50** On the river terraces of the Connecticut Valley, and on the erosions of the earth's surface. *Am As, Pr* 2: 148-156 (1850)

**51** The religion of geology and its connected sciences. 408 pp, Glasgow [1851] 511 pp, Boston 1852 2d ed, 592 pp, Boston 1859

**51a** On the erosions of the earth's surface, especially by rivers. *Brit As, Rp* 20: sec 85-87 (1851)

**51b** On terraces and ancient seabeaches, especially those on the Connecticut River and its tributaries in New England. *Brit As, Rp* 20: sec 87-88 (1851)

**52** Description of a slide on Mount Lafayette, at Franconia, N. H. *Am J Sc* (2) 14: 73-76 (1852)

**52a** On the terraces and seabeaches that have been formed since the drift period, especially those along the Connecticut River. *Am As, Pr* 6: 264-269 (1852)

**52b** On the geological age of the clay slate of the Connecticut Valley in Massachusetts and Vermont. *Am As, Pr* 6: 299-300 (1852)

**53** Outline of the geology of the globe, and of the United States in particular ... 136 pp, il, maps, Boston 1853 2d ed, Boston 1854 3d ed, Boston 1856

**Hitchcock, Edward—Continued.**

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**80b** The Shenandoah Valley Railroad and the mineral and other resources of the country tributary to it. The Virginias 1:36-37, 40, 56-57, 60-61, map (1880)

**80c** The Smithers-Gauley tract of coal lands [Fayette Co., W. Va.] The Virginias 1:47-49, map (1880)

**80d** The resources of the Virginias on and near the proposed route of the Richmond and Southwestern Railway. The Virginias 1:90-93, 106-109 (1880)

**80e** Geological map of Virginia and West Virginia. The geology by Prof. William B. Rogers, chiefly from the Virginia state survey, 1835-41. Scale 1:1,520,640. In The Virginias 1 no 6 (1880)

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**81b** Craig Creek basin [Craig Co., Va.]; its iron ores, etc. The Virginias 2:108-109 (1881)

**81c** The Norfolk & Western and Shenandoah Valley railroads. The Virginias 2:119-121 (1881)

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**82b** The Great Flat Top coal field [W. Va.]. The Virginias 3:88-89, 92-93, map (1882)

**82c** Thickness of Coal Measures and beds in Great Kanawha coal field, W. Va. The Virginias 3:157 (1882)

**82d** The Virginia geological survey of 1835-41. The Virginias 3:166-170 (1882)

**83** The Dora, Va., "anthracite" coal mines. The Virginias 4:105-106 (1883)

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**90** The oil well at Southbury, Conn. *Sc Am* 62:275 (1890)

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**94b** Microscopic structure of siliceous oolite. *G Soc Am*, *B* 5:627-629 (1894) *Abst*, *Am G* 13:223-223 (1894)

**94c** The annual meeting of the Geological Society of America [sixth annual, Boston, 1893]. *Eng M J* 57:3-4 (1894)

**94d** American "tripoli." *Sc Am Sup* 38:15487 (1894)

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**96b** Rare minerals from New York City (*abst*). *Science n s* 3:214 (1896)

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**98a** (with Whitfield, R. P.) Catalogue of the type and figured specimens in the paleontological collection of the geological department, American Museum of Natural History. *Am Mus N H*, *B* 11:500 pp (1898-1901)

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**99a** Edward Orton. *Eng M J* 68:485, port (1899)

**00** The annual meeting of the Geological Society of America [Washington, December, 1899]. *Eng M J* 69:45 (1900)

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**00a** Geology and geography at the forty-ninth meeting of the American Association for the Advancement of Science. *Sc Am* 83:22-23 (1900)

**00b** Note on a calcite group from Bisbee, Ariz. *Am Mus N H*, *B* 12:189-190 (1900)

**00c** Some of the collections in the geological department of the [American] Museum [of Natural History]. *Am Mus J* 1:70-72 (1900)

**00d** Oliver Payson Hubbard. *Am G* 25:360-363, port. (1900)

**00e** The Wind Cave of South Dakota. *Sc Am Sup* 49:20458-20459 (1900)

**00f** Erosion forms in Harney Peak district, South Dakota (*abst* with discussion by S. F. Emmons). *G Soc Am*, *B* 11:581-582 (1900) *Science n s* 11:100 (1900)

**00g** Scenery of the Harney Peak district in the Black Hills, S. Dak (*abst*). *Science n s* 11:750-751 (1900)

**00h** Floating sand and stones. *Science n s* 11:912-913 (1900)

**00i** The geological and paleontological collections in the American Museum of Natural History. *Science n s* 12:757-760 (1900)

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**01b** Geology and geography at the Denver meeting of the American Association for the Advancement of Science. *Sc Am Sup* 52:21504-21505 (1901)

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**02a** The paleontological collections of the geological department of the American Museum of Natural History. *J G* 10:252-255 (1902)

**02b** Ores of economic importance. *U S G S*, *Min Res* 1901:967-973 (1902)

**02c** A remarkable slab of fossil crinoids [*Uintacrinus socialis*]. *Am Mus J* 2:11-14, il (1902)

**02d** A visit to Martinique and St. Vincent after the great eruptions of May and June, 1902. *Am Mus J* 2:57-63 (1902)

**02e** Martinique and St. Vincent; a preliminary report upon the eruptions of 1902. *Am Mus N H*, *B* 16:333-372 (1902)

**02f** Observations on the eruptions of 1902 of La Soufrière, St. Vincent, and Mt. Pelé, Martinique. *Am J Sc* (4) 14:319-358 (1902)

**02g** The eruptions of La Soufrière, St. Vincent, in May, 1902. *Nat Geog Mag*, 13:444-459 (1902)



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**02h** Notes on the Triassic and Jurassic strata of the Black Hills of South Dakota and Wyoming (*abst*). N Y Ac Sci, An 14:152 (1902) Science n s 15:27 (1902)

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**03a** The annual meeting of the Geological Society of America and geology and geography at the convention of the American Association for the Advancement of Science. Sc Am Sup 55:22646-22648, 22665-22667 (1903)

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**03c** The new cone of Mont Pelé and the gorge of the Rivière Blanche, Martinique. Am J Sc (4) 16:269-281 (1903)

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**03e** The volcanoes of the Caribbean Islands; appearance of Mont Pelé, Martinique, and La Soufrière, St. Vincent, one year after the great eruption. Sc Am Sup 56:23011-23014 (1903)

**03f** The marvelous obelisk of Mont Pelé. Sc Am Sup 56:23354-23355 (1903) *Abst*, Sc Am 89:407 (1903)

**03g** Some erosion phenomena on Mont Pelé and Soufrière (*abst*). Science n s 17:226 (1903) Sc Am Sup 55:22647-22648 (1903)

**03h** The inner cone of the Mont Pelé crater and its relation to the destruction of Morne Rouge (*abst*). Science n s 17:226 (1903) Sc Am Sup 55:22647-22648 (1903)

**03i** "Mount Pelee." Science n s 17:1010 (1903)

**03j** Mont Pelé from May to October, 1903. Science n s 18:633-634 (1903)

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**04b** New cone and obelisk of Mont Pelé. G Soc Am, B 15:558-560 (1904)

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**04e** Bibliography of literature of the West Indian eruptions published in the United States. G Soc Am, B 15:562-566 (1904)

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**04f** The Grande Soufrière of Guadeloupe, an analogue of Mont Pelé (*abst*). Science n s 19:859-860 (1904)

**04g** Mont Pelé from October 20, 1903, to May 20, 1904. Science n s 20:23-24 (1904)

**04h** The Soufrière of St. Vincent in July, 1904. Science n s 20:281-282 (1904)

**04i** St. Vincent, British West Indies; the eruptions of 1902 and their immediate results (*abst*). Science n s 20:604-605 (1904)

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**04k** The Crystal Cave of South Dakota. Sc Am Sup 57:23657-23658 (1904)

**04l** Phosphate rock. U S G S, Min Res 1903:1047-1058; 1904:1053-1064; 1905:1117-1126 (1904-6)

**04m** Salt. U S G S, Min Res 1903:1059-1071; 1904:1065-1077; 1905:1127-1135 (1904-6)

**04n** Asphaltum and bituminous rock. U S G S, Min Res 1903:745-754; 1904:789-799; 1905:1161-1169 (1904-6)

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**05a** The Geological Society of America. [Philadelphia, Pa. December 29-31, 1904]. Science n s 21:216-223 (1905)

**05b** Geological progress [seventeenth annual meeting of the Geological Society of America at Philadelphia, December, 1904]. Eng M J 79:94-95 (1905)

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**05h** The Cape York [Greenland] meteorites. Am Mus J 5:3-7 (1905)

**05i** The western Sierra Madre of the State of Chihuahua, Mex. Am Geog Soc, B 37:531-543 (1905) *Abst*, Science n s 22:336 (1905)

**05j** Antimony; arsenic; bismuth. U S G S, Min Res 1904:363-376 (1905)



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**06b** The American Association for the Advancement of Science; special meeting, Ithaca, New York, June 28-July 3, 1906; Section E—Geology and geography. Science n s 24: 365-372 (1906)

**06c** The Willamette meteorite. Am Mus J 6: 105-116 (1906)

**06d** Notes on northern Mexico; its deserts, plateaus, and canyons. Geog Soc Phila, B 4: 247-270 (1906)

**06e** The Tenth International Geological Congress [held in the City of Mexico, September, 1906]. Am Geog Soc, B 38: 730-741 (1906)

**06f** The collections illustrating the rocks and minerals of Manhattan Island. Am Mus J 6: 6-12 (1906)

**06g** Present condition of Mont Pelé (*abst*). G Soc Am, B 16: 566-569 (1906)

**06h** Soufrière of Saint Lucia (*abst*). G Soc Am, B 16: 569-570 (1906)

**06i** Boiling lake of Dominica (*abst*). G Soc Am, B 16: 570-571 (1906)

**06j** Geological notes on the western Sierra Madre of Chihuahua, Mexico (*abst*). Science n s 23: 467 (1906)

**06k** Notes on the geology of the Guaynopita, Chihuahua, Mexico, mining district (*abst*). Science n s 24: 369 (1906); Am As, Pr 56-57: 270 (1907)

**06l** Fluorspar and cryolite. U S G S, Min Res 1905: 1099-1103 (1906)

**06m** Lithium minerals. U S G S, Min Res 1905: 1271-1272 (1906)

**06n** (with Whitfield, R. P.) Remarks on and descriptions of [invertebrate] Jurassic fossils of the Black Hills. Am Mus N H, B 22: 389-402 (1906)

**07** The American Association for the Advancement of Science; meeting of Section E—Geology and geography. Science n s 25: 293-298 (1907)

**07a** A geological reconnaissance in the western Sierra Madre of the State of Chihuahua, Mexico. Am Mus N H, B 23: 401-442, map (1907)

**07b** La Sierra Madre occidentale de l'état de Chihuahua. Int G Cong, X, Mexico, 1906, C R: 1259-1268 (1907)

**07c** The Geological Society of America [New York meeting, December 27-29, 1906]. Science n s 25: 761-775 (1907)

**07d** The Selma meteorite. Am Mus J 7: 8-12 (1907)

**07e** The Isthmus of Tehuantepec and the Tehuantepec National Railway. Am Geog Soc, B 39: 78-91 (1907)

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**07f** Volcanoes of Colima, Toluca, and Popocatepetl (*abst*). Science n s 25: 764, 868 (1907) G Soc Am, B 18: 635 (1908) N Y Ac Sc, An 18: 314 (1908)

**07g** The foyer collection of meteorites. Am Mus N H, Guide Leaflet no 26: 40 pp (1907)

**08** Proceedings of the nineteenth annual meeting held at New York, N. Y., December 27, 28, and 29, including proceedings of the eighth annual meeting of the Cordilleran section held at Stanford University, California, December 28 and 29, 1906. G Soc Am, B 18: 557-654 (1908)

**08a** The Geological Society of America. Science n s 27: 405-413 (1908) [Albuquerque N. Mex., meeting December 30 and 31, 1907]

**08b** Ten days in camp on Mt. Pelé, Martinique; the volcano six years after the great eruption. Am Geog Soc, B 40: 662-679 (1908)

**08c** The Chester, N. Y., mastodon. N Y Ac Sc, An 18: 147 (1908)

**08d** The petroleum and manjak industry of Barbados. M World 29: 237-238 (1908)

**08e** Notes on the geology and geography of the western Sierra Madre [Mexico] (*abst*). N Y Ac Sc, An 18: 266-267 (1908)

**09** Striations and U-shaped valleys produced by other than glacial action. G Soc Am, B 20: 409-416 (1909) *Abst*, Science n s 29: 633 (1909)

**09a** Earthquakes, their causes and effects. Am Ph Soc, Pr 48: 235-258 (1909) *Abst*, Science n s 29: 833 (1909)

**09b** Proceedings of the twentieth annual meeting of the Geological Society of America, held at Albuquerque, N. Mex., December 30 and 31, including the proceedings of the ninth annual meeting of the Cordilleran section, held at the same place and time. G Soc Am, B 19: 513-617 (1909)

**09c** The Geological Society of America [Baltimore meeting, December, 1908]. Science n s 29: 623-639 (1909)

**09d** Clearing out of the Wallibu and Rabaka gorges on Saint Vincent Island. G Soc Am, B 20: 417-426 (1909)

**09e** The Guffey, Colo., meteorite. Am Mus J 9: 237-243 (1909)

**09f** Recent additions to the meteorites in the foyer [of the American Museum of Natural History]. Am Mus J 9: 243-248 (1909)

**09g** Camping on the Soufrière of St. Vincent. Am Geog Soc, B 41: 72-83 (1909)

**09h** St. Pierre and Mt. Pelé in 1908. Am Mus J 9: 33-40 (1909)



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**09i** Some of the latest results of explorations in the Hudson River at New York City (*abst.*). *Science n s* 29:280 (1909)

**10** On the so-called Norwood "meteorite." *Science n s* 31:298-299 (1910)

**10a** Proceedings of the twenty-first annual meeting, held at Baltimore, Md., December 29, 30, and 31, 1908. *G Soc Am, B* 20:607-749 (1910)

**10b** Memoir of Homer T. Fuller. *G Soc Am, B* 20:617-618, port (1910)

**10c** Proceedings of the twenty-second annual meeting of the Geological Society of America, held at Boston and Cambridge, Massachusetts, December 28, 29, 30, and 31, 1909. *G Soc Am, B* 21:1-86 (1910)

**10d** Twenty-second annual meeting of the Geological Society of America. *Science* 32:185-192, 218-224 (1910)

**10e** Robert Parr Whitfield. *Am Mus J* 10:119-121, port (1910)

**10f** Abstracts of papers presented at the twenty-second annual meeting of the society but not published in full in the preceding pages of this volume, together with discussions of papers as far as preserved. *G Soc Am, B* 21:753-788 (1910)

**11** Proceedings of the twenty-third annual meeting of the Geological Society of America, held at Pittsburgh, Pennsylvania, December 27, 28, and 29, 1910. *G Soc Am, B* 22:1-84 (1911)

**11a** Abstracts of papers presented at the twenty-third annual meeting of the society, but not published in full in the preceding pages of this volume, together with discussions of papers as far as preserved. *G Soc Am, B* 22:715-738 (1911)

**11b** Newly discovered cavern in the Copper Queen mine [at Bisbee, Ariz.]. *Am Mus J* 11:304-307 (1911)

**12** Proceedings of the twenty-fourth annual meeting of the Geological Society of America, held at Washington, D. C., December 27, 28, 29, and 30, 1911. *G Soc Am, B* 23:1-68 (1912) *Science n s* 35:310-320 (1912)

**12a** Abstracts of papers presented at the twenty-fourth annual meeting of the society, but not published in full in the preceding pages of this volume, together with discussions of papers so far as preserved. *G Soc Am, B* 23:719-747 (1912)

**12b** Cave material from a Mexican mine. *Am Mus J* 12:218 (1912)

**12c** New accessions of meteorites [in the American Museum of Natural History]. *Am Mus J* 12:257-258 (1912)

**12d** The seismograph at the American Museum [of Natural History, New York]. *Am Mus J* 12:297-299 (1912)

**12e** The Kingston, New Mexico, siderite. *N Y Ac Sc, An* 22:335-337 (1912)

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**12f** Geological sketch of the Hudson River region from Newburgh to the sea. In *The geology, fauna, and flora of the lower Hudson Valley*, prepared by the American Museum of Natural History and the New York Botanical Gardens ... [for] the Eighth International Congress of Applied Chemistry: 3-9, map, Concord, N. H., 1912

**13** Proceedings of the twenty-fifth annual meeting of the Geological Society of America, held at New Haven, Connecticut, December 28, 29, 30, and 31, 1912. *G Soc Am, B* 24:1-90 (1913)

**13a** Abstracts of papers presented at the twenty-fifth annual meeting of the society, but not published in full in the preceding pages of this volume, together with discussions of papers as far as preserved. *G Soc Am, B* 24:669-719 (1913)

**13b** Dana, the teacher. *G Soc Am, B* 24:60-64 (1913)

**14** Proceedings of the twenty-sixth annual meeting of the Geological Society of America, held at Princeton, N. J., December 30 and 31, 1913, and January 1, 1914. *G Soc Am, B* 25:1-118 (1914)

**14a** Note on landslides. *Int G Cong, XII*, 1913, *C R*:793-795 (1914)

**15** Proceedings of the twenty-seventh annual meeting of the Geological Society of America, held at Philadelphia, Pennsylvania, December 29, 30, and 31, 1914. *G Soc Am, B* 26:1-128 (1915)

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**65b** On the discovery of emery in Chester, Mass. Boston Soc N H, Pr 10:84-90 (1865) Am J Sc (2) 39:87-90 (1865)

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**92l** Evolution of *Strophostylus*. *Iowa Ac Sc*, Pr 1 pt 2:25-26 (1892)

**92m** (and Call, R. E.) On a Quaternary section eight miles southeast of Des Moines, Iowa. *Iowa Ac Sc*, Pr 1 pt 2:30 (1892)

**93** Report [of assistant State geologist]. *Iowa G S*, An Rp 1892:7-9 (1893) ... 3:29-37 (1895) ... 4:27-28 (1895)

**93a** Geological formations of Iowa. *Iowa G S* 1, An Rp 1892:11-144, map (1893)

**Keyes, Charles Rollin—Continued.**

**93b** Annotated catalogue of minerals. *Iowa G S* 1, An Rp 1892:181-196 (1893)

**93c** Bibliography of Iowa geology. *Iowa G S* 1, An Rp 1892:209-464 (1893)

**93d** Some Maryland granites and their origin. *G Soc Am*, B 4:299-304 (1893)

**93e** Epidote as a primary component of eruptive rocks. *G Soc Am*, B 4:305-312 (1893)

**93f** A new locality for millerite [Keokuk, Iowa]. *Am G* 11:126 (1893)

**93g** The unconformity of the Coal Measures and the St. Louis limestone in Iowa. *Am G* 12:99-102 (1893)

**93h** An old volcanic eruption in Iowa. *Science* 21:132 (1893)

**93i** Sketch of the coal deposits of Iowa. *U S G S*, Min Res 1892:398-404 (1893)

**93j** Natural gas and oil in Iowa. *Iowa Ac Sc*, Pr 1 pt 3:15-18 (1893)

**93k** Iowa mineralogical notes. *Iowa Ac Sc*, Pr 1 pt 3:18-22 (1893)

**93l** Surface disintegration of granitic masses. *Iowa Ac Sc*, Pr 1 pt 3:22-24 (1893)

**93m** Some American eruptive granites. *Iowa Ac Sc*, Pr 1 pt 3:24-26 (1893)

**93n** The Iowa coal beds. *U S Dp Agr*, Weather Bur, Mo Rv Iowa Weather and Crop Service 4 no 1:3-5 (1893)

**93o** An Iowa volcano. *U S Dp Agr*, Weather Bur, Mo Rv Iowa Weather and Crop Service 4 no 1:5-6 (1893)

**93p** Iowa's gypsum deposits. *U S Dp Agr*, Weather Bur, Mo Rv Iowa Weather and Crop Service 4 no 3:2-4 (1893)

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**94a** Geological map of Iowa. *An Iowa* (3) 1:294-297, map (1894)

**94b** A bibliography of North American paleontology, 1888-1892. *U S G S*, B 121:251 pp (1894)

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**94f** The nature of coal horizons. *J G* 2:178-186 (1894)

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**94h** The Coal Measures of Iowa. *Eng M J* 57:269-270, 295-297, 317-318 (1894) *Review*, *Am G* 13:353-354 (1894)

**94i** Cretaceous formations of northwestern Iowa (*abst*). *Iowa Ac Sc*, Pr 1 pt 4:24-25 (1894)

**94j** Derivation of the Unione fauna of the Northwest. *Iowa Ac Sc*, Pr 1 pt 4:25-29 (1894)



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**94k** Process of formation of certain quartzites (*abst.*). Iowa Ac Sc, Pr 1 pt 4: 29-31 (1894)

**94l** A stratigraphic catalogue of Missouri fossils. Jefferson City 1894 [not seen] Reprinted in Mo G S, 4: 241-264 (1894)

**94m** What the Iowa Geological Survey has been doing. U S Dp Agr, Weather Bur, Mo Rv Iowa Weather and Crop Service 5 no 1: 4-7 (1894)

**94n** The geological mapping of Iowa. U S Dp Agr, Weather Bur, Mo Rv Iowa Weather and Crop Service 5 no 2: 4-6 (1894)

**95** Work and scope of the geological survey. Iowa G S 3: 45-98, map (1895)

**95a** Glacial scorings in Iowa. Iowa G S 3: 147-165 (1895)

**95b** Gypsum deposits of Iowa. Iowa G S 3: 257-304, map (1895)

**95c** Geology of Lee Co. Iowa G S 3: 305-407, map (1895)

**95d** Geology of Des Moines Co. Iowa G S 3: 409-492, map (1895)

**95e** Biennial report of the State geologist... 60 pp, Jefferson City 1895 Biennial report... 63 pp, maps, Jefferson City 1897

**95f** Organization and results of a State geological survey. Mo G S, 8: 13-79 (1895)

**95g** Characteristics of Ozark Mountains. Mo G S 8: 317-352 (1895)

**95h** A report on Mine la Motte sheet, including portions of Madison, St. Francois, and Ste. Genevieve cos. Mo G S 9, Sheet Rp no 4: 132 pp, map [under separate cover] Jefferson City 1895 [Archean, by C. R. Keyes and E. Haworth: 24-44]

**95i** Origin and relations of central Maryland granites. U S G S, An Rp 15: 685-740, map (1895)

**95j** Stratigraphy of the Kansas Coal Measures. Am J Sc (3) 50: 239-243 (1895)

**95k** The Cambro-Silurian question in Missouri and Arkansas. J G 3: 519-526 (1895)

**95l** Acidic eruptives of northeastern Maryland. Am G 15: 39-46 (1895)

**95m** A hypsometric map of Missouri. Am G 15: 314-317, map (1895)

**95n** Superior Mississippian in western Missouri and Arkansas. Am G 16: 86-91 (1895)

**95o** Granite rocks of Missouri. Eng M J 60: 516-517 (1895)

**95p** Secular decay of granitic rocks. Iowa Ac Sc, Pr 2: 27-31 (1895)

**95q** Synopsis of American Paleozoic echinoids. Iowa Ac Sc, Pr 2: 178-194, il (1895)

**Keyes, Charles Rollin—Continued.**

**95r** Opinions concerning the age of the Sioux quartzite (*abst.*). Iowa Ac Sc, Pr 2: 218-222 (1895)

**95s** Methods of determining the natural resources of a region. U S Dp Agr, Weather Bur, Mo Rv Iowa Weather and Crop Service 6 no 3: 5-7 (1895)

**96** Areal geology of Missouri. Mo G S 9: 11-16 (1896)

**96a** Bibliography of Missouri geology. Mo G S 10: 219-523 (1896)

**96b** The geological occurrence of clays. Mo G S 11: 35-48, map (1896)

**96c** Geographic relations of the granites and porphyries in the eastern part of the Ozarks. G Soc Am, B 7: 363-376, map (1896) *Abst*, Am G 17: 91-92 (1896); J G 4: 375-377 (1896)

**96d** Biographical sketch of Charles Wachsmuth. Am G 17: 131-136, port. (1896)

**96e** Thickness of the Paleozoic rocks in the Mississippi basin. Am G 17: 169-173 (1896)

**96f** Serial nomenclature of the Carboniferous. Am G 18: 22-28 (1896)

**96g** Orotaxis, a method of geologic correlation. Am G 18: 289-302 (1896)

**96h** The Bethany limestone of the western interior coal fields. Am J Sc (4) 2: 221-225 (1896)

**96i** Ueber das Carbon des Mississippi-thales. N Jb 1896, I: 96-100

**96j** Missouri building and ornamental stones. Stone 12: 432-436, 546-557; 13: 30-32 (1896) *Abst*, Eng M J 62: 199-201 (1896)

**96k** Central Maryland granites. Stone 13: 421-428, 527-531; 14: 20-24, 126-129, 226-228 (1896-7)

**96l** A gigantic orthoceratite from the American Carboniferous. Science n s 3: 94-95 (1896)

**96m** Iowa gypsum. Mineral Industry 4: 379-386 (1896)

**96n** Epoch in history of American science [biographical sketches of Charles Wachsmuth and Frank Springer]. An Iowa (3) 2: 345-364, port, il (1896)

**96o** Note on the nature of cone-in-cone. Iowa Ac Sc, Pr 3: 75-76 (1896)

**96p** Two remarkable cephalopods from the upper Paleozoic. Iowa Ac Sc, Pr 3: 76-78, il (1896)

**96q** Structure of *Uintacrinus*. Am Nat 30: 819-821, il (1896)

**97** List of Carboniferous fossils from Des Moines. Iowa G S 7: 330-335 (1897)

**97a** Dual character of the Kinderhook fauna. Am G 20: 167-176 (1897)

**97b** Relations of the Devonian and Carboniferous in the upper Mississippi Valley. Ac Sc St L, Tr 7: 357-369 (1897)

**97c** A new method of synchronizing strata. Science n s 6: 655-656 (1897)



**Keyes, Charles Rollin—Continued.**

**97d** Memorial of Charles Wachsmuth. Iowa Ac Sc, Pr 4:13-16, port. (1897)

**97e** Stages of the Des Moines, or chief coal-bearing series of Kansas and southwest Missouri and their equivalents in Iowa. Iowa Ac Sc, Pr 4:22-25 (1897)

**97f** (and **Rowley, R. R.**) Vertical range of fossils at Louisiana [Mo.]. Iowa Ac Sc, Pr 4:26-40 (1897)

**97g** Distribution and character of Missouri clays. Mineral Industry 1896, 5:127-137 (1897)

**97h** The geological surveys of Iowa. An Iowa (3) 3:111-123 (1897)

**97i** The physical nature of the problem of general geological correlation (*abst.*). J G 5:110-111 (1897)

**98** The use of local names in geology. J G 6:161-170 (1898)

**98a** Probable stratigraphical equivalents of the Coal Measures of Arkansas. J G 6:356-365 (1898)

**98b** The genetic classification of geological phenomena. J G 6:809-815 (1898)

**98c** Use of the term Augusta in geology. Am G 21:229-235 (1898)

**98d** Elston Holmes Lonsdale [memorial]. Am G 21:264-265 (1898)

**98e** Carboniferous formations of southwestern Iowa. Am G 21:346-350 (1898)

**98f** Remarks on the classification of the Mississippian series. Am G 22:108-113 (1898)

**98g** The principal Missourian section (*abst.*). Am G 22:251 (1898) Science n s 8:464 (1898)

**98h** Eolian origin of loess. Am J Sc (4) 6:299-304 (1898) Soc Belge G, B 12:Tr 14-21 (1901)

**98i** Modern stratigraphical nomenclature. Science n s 7:571-572 (1898)

**98j** The myth of the Ozark Isle. Science n s 7:588-589 (1898)

**98k** Structure of the coal deposits of the trans-Mississippian field. Eng M J 65:253-254, 280-281 (1898)

**98l** Geographic development of the Crimea. Iowa Ac Sc, Pr 5:52-54 (1898)

**98m** Carboniferous formations of the Ozark region. Iowa Ac Sc, Pr 5:55-58 (1898)

**98n** Some geological formations of the Cap-au-Gres uplift [Ill.]. Iowa Ac Sc, Pr 5:58-63 (1898)

**99** American homotaxial equivalents of the original Permian. J G 7:321-341 (1899)

**99a** The Missourian series of the Carboniferous. Am G 23:298-316 (1899)

**99b** On stratification planes. Am G 24:294-300 (1899)

**99c** On the definition of geological terranes. Science n s 10:456-458 (1899)

**99d** Some physical aspects of general geological correlation. Iowa Ac Sc, Pr 6:131-154 (1899)

**Keyes, Charles Rollin—Continued.**

**00** Kinderhook stratigraphy. J G 8:315-321 (1900)

**00a** The causes of ore deposits. Am G 25:323-326 (1900)

**00b** Correlative relations of certain subdivisions of the Coal Measures of Kansas. Am G 25:347-353 (1900)

**00c** Certain faunal aspects of the original Kinderhook. Am G 26:315-321 (1900)

**00d** Systematic arrangement of ore deposits on a geological basis. Science n s 11:631-632 (1900)

**00e** Coal floras of the Mississippi Valley. Science n s 11:898-900 (1900)

**00f** Initiation of new elements in fossil faunas. Science n s 12:146 (1900)

**00g** The geological position of trans-Mississippian coals. Eng M J 69:528-529 (1900)

**00h** Formational synonymy of the Coal Measures of the western interior basin. Iowa Ac Sc, Pr 7:82-105, map (1900)

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**00j** An Iowa scientist and his work [Frank Leverett]. Annals of Iowa (3) 4:383-392, port (1900)

**00k** Bearing of ore genesis on classification of ore deposits. Mining and Metallurgical J 22:272-273 (1900) [not seen]

**01** Note on the correlation of the Clarinda well section with the schematic section of the Carboniferous. Iowa G S 11:461-463 (1901)

**01a** A depositional measure of unconformity [Carboniferous, Mississippi Valley]. G Soc Am, B 12:173-196 (1901) *Abst.*, Science n s 13:135-136 (1901)

**01b** Composite genesis of the Arkansas Valley through the Ozark highlands. J G 9:486-490 (1901)

**01c** Ore formation on the hypothesis of concentration through surface decomposition. Am G 27:355-362 (1901)

**01d** Nomenclature of the Cambrian formations of the St. Francois Mountains [Mo.]. Am G 28:51-53 (1901)

**01e** A schematic standard for the American Carboniferous. Am G 28:299-305 (1901)

**01f** Time values of provincial Carboniferous terranes. Am J Sc (4) 12:305-309 (1901)

**01g** Origin and classification of ore deposits. Am I M Eng, Tr 30:323-356 (1901) Summary, with title, Some modern aspects of a practical classification of ore deposits, Eng M J 69:771-772 (1900) *Abst.*, Mining 5:176-179 (1900)

**01h** On a crinoidal horizon in the upper Carboniferous. Science n s 13:915-916 (1901)

**01i** Zone of maximum richness in ore bodies. Science n s 14:577-578 (1901)



**Keyes, Charles Rollin—Continued.**

**01j** Derivation of the terrestrial spheroid from the rhombic dodecahedron. *J G* 9:244-249 (1901)

**01k** Horizons of Arkansas and Indian Territory coals compared with those of other trans-Mississippian coals. *Eng M J* 71:692-693 (1901)

**01l** The stratigraphical location of named trans-Mississippian coals. *Eng M J* 72:198 (1901)

**01m** Contiguity of ore deposits of different generic relationships. *Eng M J* 72:597-598 (1901)

**01n** Depositional equivalent of hiatus at base of our Coal Measures; and the Arkansan series, a new terrane of the Carboniferous in the western interior basin. *Iowa Ac Sc, Pr* 8:119-128 (1901)

**01o** Names of coals west of the Mississippi River. *Iowa Ac Sc, Pr* 8:128-137 (1901)

**01p** Geology in the twentieth century. *The Arena* 26:21-33 (1901)

**02** Devonian interval in Missouri. *G Soc Am B* 13:267-292 (1902)

**02a** Cartographic representation of geological formations. *J G* 10:691-699 (1902)

**02b** Determination of the Cambrian age of the magnesian limestones of Missouri. *Am G* 29:384-387 (1902)

**02c** Geological age of certain gypsum deposits. *Am G* 30:99-102 (1902)

**02d** Diverse origins and diverse times of formation of the lead and zinc deposits of the Mississippi Valley. *Am I M Eng, Tr* 31:603-611 (1902) *M Metal* 24:715-717 (1901) *Abst, Mining* 8:149-150 (1901)

**02e** The origin of ore deposits (discussion) *Am I M Eng, Tr* 31:942-944, 962-966 (1902)

**02f** Character and stratigraphical peculiarities of the southwestern Iowa coal fields. *Eng M J* 73:661 (1902)

**02g** Magmatic differentiation of rocks. *Science n s* 15:32-33 (1902)

**02h** A Devonian hiatus in the continental interior, its character and depositional equivalents. *Iowa Ac Sc, Pr* 9:105-112 (1902)

**03** Some recent aspects of the Permian question in America. *Am G* 32:218-223 (1903)

**03a** Geological structure of New Mexican bolson plains. *Am J Sc* (4) 15:207-210 (1903)

**03b** Ephemeral lakes in arid regions. *Am J Sc* (4) 16:377-378 (1903)

**03c** A remarkable silver pipe [central New Mexico]. *Eng M J* 76:805 (1903)

**03d** Geology of the Apache Canyon placers [south central New Mexico]. *Eng M J* 76:966-967 (1903)

**Keyes, Charles Rollin—Continued.**

**03e** Significance of the occurrence of minute quantities of metalliferous minerals in rocks. *Iowa Ac Sc, Pr* 10:99-103 (1903)

**03f** Genesis of certain cherts. *Iowa Ac Sc, Pr* 10:103-105 (1903)

**03g** Comparative values of different methods of geologic correlation in the Mississippi basin. *Iowa Ac Sc, Pr* 10:105-107 (1903)

**03h** Geological formations of New Mexico. *In Report of the Governor of New Mexico to the Secretary of the Interior, 1903:337-341, Washington* 1903

**04** Notes on block mountains in New Mexico. *Am G* 33:19-23 (1904)

**04a** Bolson plains and the conditions of their existence. *Am G* 34:160-164 (1904)

**04b** Unconformity of the Cretaceous on older rocks in central New Mexico. *Am J Sc* (4) 18:360-362 (1904)

**04c** Iron deposits of the Chupadera Mesa [N. Mex.]. *Eng M J* 78:632 (1904)

**04d** The Hagan coal field [Sandoval Co., N. Mex.]. *Eng M J* 78:670-671 (1904)

**04e** Remarkable occurrence of aurichalcite. *Iowa Ac Sc, Pr* 11:253 (1904)

**04f** Certain basin features of the high plateau region of southwestern United States (*abst*). *Iowa Ac Sc, Pr* 11:254-257 (1904)

**04g** Note on the Carboniferous faunas of Mississippi Valley in the Rocky Mountain region. *Iowa Ac Sc, Pr* 11:258-259 (1904)

**05** Geology and underground water conditions of the Jornada del Muerto, N. Mex. *U S G S, W-S P* 123:42 pp, map (1905)

**05a** Structures of basin ranges. *J G* 13:63-70 (1905)

**05b** The fundamental complex beyond the southern end of the Rocky Mountains. *Am G* 36:112-122 (1905)

**05c** The Jurassic horizon around the southern end of the Rocky Mountains. *Am G* 36:289-292 (1905)

**05d** Triassic system in New Mexico. *Am J Sc* (4) 20:423-429 (1905)

**05e** Zinc carbonate ores of the Magdalen Mountains [N. Mex.]. *M Mag* 12:109-114 (1905)

**05f** Ore deposits of the Sierra de los Caballos [south central N. Mex.]. *Eng M J* 80:149-151 (1905)

**05g** Bisection of mountain blocks in the Great Basin region (*abst*). *Iowa Ac Sc, Pr* 12:165-167 (1905)

**05h** Geological structure of the Jornada del Muerto and adjoining bolson plains [N. Mex.]. *Iowa Ac Sc, Pr* 12:167-169 (1905)

**05i** Northward extension of the Lake Valley limestone [N. Mex.]. *Iowa Ac Sc, Pr* 12:169-171 (1905)

**06** [Notes on the classification of American Carboniferous deposits]. *J G* 14:71-76 (1906)



**Keyes, Charles Rollin—Continued.**

**06a** Carboniferous formations of New Mexico. *J G* 14:147-154 (1906)

**06b** Orotaxial significance of certain unconformities. *Am J Sc* (4) 21:296-300 (1906)

**06c** The Dakotan series of northern New Mexico. *Am J Sc* (4) 22:124-128 (1906)

**06d** Geological section of New Mexico. *Science n s* 23:921-922 (1906)

**06e** Use of the term Permian in American geology. *Science n s* 24:181-182 (1906)

**06f** Carboniferous coal measures in the Southwest. *Eng M J* 81:1129 (1906)

**06g** Physiography of New Mexico. *J Geog* 5:251-256 (1906)

**06h** Lime Creek fauna of Iowa in southwestern United States and northern Mexican region. *Iowa Ac Sc, Pr* 13:197-198 (1906)

**06i** Alternation of fossil faunas. *Iowa Ac Sc, Pr* 13:199-201 (1906)

**07** Volcanic craters in the Southwest. *G Soc Am, B* 17:721-723 (1907)

**07a** Cerargyritic ores: their genesis and geology. *Ec G* 2:774-780 (1907)

**07b** Aggraded terraces of the Rio Grande. *Am J Sc* (4) 24:467-472 (1907)

**07c** Physiographic significance of the Mesa de Maya [Colo.]. *Iowa Ac Sc, Pr* 14:221-222 (1907)

**07d** Tertiary terranes of New Mexico. *Iowa Ac Sc, Pr* 14:223-228 (1907) *Abst, G Soc Am, B* 17:725 (1907)

**07e** Volcanic phenomena about Citlaltetpetl and Popocateptl (*abst*). *Iowa Ac Sc, Pr* 14:229-230 (1907)

**07f** Mescal Canyon coal field, New Mexico. *Eng M J* 83:957 (1907)

**07g** Preglacial river channels of central Iowa. *An Iowa* (3) 8:13-17 (1907)

**08** Genesis of the Lake Valley, N. Mex., silver deposits. *Am I M Eng, B* 19:1-31, map (1908); *Tr* 39:139-169 (1909)

**08a** Rock-floor of intermont plains of the arid region. *G Soc Am, B* 19:63-92 (1908)

**08b** Geotectonics of the Estancia Plains [N. Mex.]. *J G* 16:434-451 (1908)

**08c** Arid monadnocks. *J Geog* 7:30-33 (1908)

**08d** Geographic distribution of lead and zinc deposits of the Mississippi Valley. *Eng M J* 86:1004-1005 (1908)

**08e** Eolian origin of certain lake basins of the Mexican tableland. *Iowa Ac Sc, Pr* 15:137-141 (1908)

**08f** Stratigraphic position of western red beds. *Iowa Ac Sc, Pr* 15:143-144 (1908)

**08g** Some relations of the older and younger tectonics of the Great Basin region (*abst*). *Iowa Ac Sc, Pr* 15:145-146 (1908)

**09** Lineaments of the desert. *Pop Sc Mo* 74:19-30 (1909)

**Keyes, Charles Rollin—Continued.**

**09a** Geologic processes and geographic products of the arid region (*abst*). *G Soc Am, B* 19:570-575 (1909)

**09b** Erosional origin of the Great Basin ranges. *J G* 17:31-37 (1909)

**09c** Ozark lead and zinc deposits, their genesis, localization, and migration. *Am I M Eng, B* 26:119-166 (1909); *Tr* 40:184-231 (1910) *M World* 30:431-433, 481-485, 543-546 (1909)

**09d** Garnet contact deposits of copper and the depths at which they are formed. *Ec G* 4:365-372 (1909) *M World* 31:465-466 (1909)

**09e** Base-level of eolian erosion. *J G* 17:659-663 (1909)

**09f** Borax deposits of the United States. *Am I M Eng, B* 34:867-903 (1909); *Tr* 40:674-710 (1910) *Eng M J* 88:826-827 (1909)

**09g** Locus of vadose ore deposition. *Eng M J* 87:857-858 (1909)

**09h** Migrations of the Joplin zinc belt. *Eng M J* 87:1049 (1909)

**09i** Differential effects of eolian erosion upon rock-belts of varying induration (*abst*). *Science n s* 29:752-753 (1909)

**09j** Locus of maximum lateral deflation in desert ranges (*abst*). *Science n s* 29:753 (1909)

**09k** Significance of thrust planes in the Great Basin ranges. *Iowa Ac Sc, Pr* 16:151-152 (1909) *Abst, Science n s* 29:982 (1909)

**09l** Orotaxial correlation of geologic terranes and diastrophism (*abst*). *Science n s* 29:982 (1909)

**09m** Carbonic column of Rio Grande region. *Iowa Ac Sc, Pr* 16:159-163 (1909) *Abst, Science n s* 29:982 (1909)

**09n** Orotaxial geologic correlation and diastrophism. *Iowa Ac Sc, Pr* 16:153-157 (1909)

**10** The ultimate source of ores. *Am I M Eng, B* 43:527-550 (1910); *Tr* 41:139-162 (1911)

**10a** Ozark lead and zinc deposits; their genesis, localization, and migration. *Am I M Eng, B* 43:591-597 (1910); *Tr* 41:879-885 (1911)

**10b** Criteria of downward sulphide enrichment (discussion). *Ec G* 5:558-564 (1910)

**10c** Controlling factors of ore localization in the Ozark region. *Ec G* 5:683-688 (1910)

**10d** Porphyry coppers [occurrence and origin of disseminated copper deposits]. *M Met Soc Am, B* 25:316-320 (1910) *M World* 33:229-230 (1910)

**10e** Prospecting disseminated copper ore deposits. *Eng M J* 90:1055-1056 (1910)

**10f** Relations of present profiles and geologic structures in desert ranges. *G Soc Am, B* 21:543-564 (1910)



**Keyes, Charles Rollin—Continued.**

**10g** Deflation and the relative efficiencies of erosional processes under conditions of aridity. *G Soc Am*, B 21:565-598 (1910)

**10h** Coon Butte and meteoritic falls of the desert (*abst*). *G Soc Am*, B 21:773-774 (1910)

**10i** The Guadalupan series; and the relations of its discovery to the existence of a Permian section in Missouri. *Ac Sc St. L*, Tr 19:123-129 (1910)

**10j** Abundance of meteorites on the Painted Desert [Arizona], and its bearing upon the planetesimal hypothesis of the origin of the earth. *Ac Sc St. L*, Tr 19:131-150 (1910)

**10k** A quantitative measure of maximum arid deflation (*abst*). *Science n s* 32:126-127 (1910)

**10l** Theory of meteoric agglomeration and the ultimate source of the ores. *Iowa Ac Sc*, Pr 17:169-176 (1910)

**10m** Maxwell coulee and the diversion of the Rio Mora (*abst*). *Iowa Ac Sc*, Pr 17:165-166 (1910)

**10n** Distribution of bonanzas in the Pachuca silver district of Mexico (*abst*). *Iowa Ac Sc*, Pr. 17:167-168 (1910)

**11** Origin of certain bonanza silver ores of the arid region. *Am I M Eng*, B 55:541-558 (1911); Tr 42:500-517 (1912)

**11a** Mid-continental eolation. *G Soc Am*, B 22:715-738 (1911)

**11b** The origin of the Great Plains. *Science n s* 34:352 (1911)

**11c** The laccolith in ore deposition. *M Sc Press* 103:382 (1911)

**11d** Sulphide ore bodies in oxidized zones. *Eng M J* 92:793-794 (1911)

**11e** The agency of manganese in the superficial alteration and secondary enrichment of gold deposits in the United States (discussion). *Am I M Eng*, B 54:503-506 (1911); Tr. 42:917-920 (1912)

**11f** Fault scarps of the Basin ranges (*abst*). *Science n s* 33:466 (1911)

**11g** Graphics of ore origin. *Iowa Ac Sc*, Pr 18:95-98 (1911) *Abst*, *Science n s* 34:29 (1911)

**11h** Volcanic phenomena of Coon Butte region, Ariz. (*abst*). *Iowa Ac Sc*, Pr 18:99-100 (1911) *Science n s* 34:29 (1911)

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**11b** The Eagle River region, Alaska. U S G S, B 480:103-111 (1911)

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**15b** Plumbojarosite and other basic lead-ferric sulphates from the Yellow Pine district, Nev. Wash Ac Sc, J 5:497-503 (1915)

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**16b** The composition of the average igneous rock. J G 24:620-622 (1916)

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**18b** The antimonial silver-lead veins of the Arabia district, Nev. U S G S, B 660:249-255 (1918)

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**18d** Tin. U S G S, Min Res 1916 pt 1:617-622; 1917 pt 1:63-72 (1918)

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**16g** Note on a recent discovery of fossil plants in the Morrison formation. Wash Ac Sc, J 6: 180-181 (1916)

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**86g** [An almandine garnet crystal found in New York City.] N Y Ac Sc, Tr 5: 265-266 (1886)

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**86j** Mineralogical notes. Am As, Pr 34: 240-242 (1886)

**86k** The tourmaline locality at Rumford, Oxford Co., Me. (*abst*). Am As, Pr 34: 242-243 (1886)

**86l** A pseudomorph of feldspar after leucite (?) from Magnet Cove, Ark. (*abst*). Am As, Pr 34: 243-246 (1886)

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**87b** On two new meteorites from Carroll Co., Ky., and Catorze, Mex. Am J Sc (3) 33: 228-235 (1887)

**87c** On the meteoric iron which fell near Cabin Creek, Johnson Co., Ark., March 27, 1886. Am J Sc (3) 33: 494-499 (1887)

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**88b** On two new masses of meteoric iron [Linnville, N. C.; Laramie Co., Wyo.]. Am J Sc (3) 36: 275-277 (1888)



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**89b** A remarkable locality of American fluorite [Macomb, St. Lawrence Co., N. Y.]. *N Y Ac Sc, Tr* 8:59-60 (1889)

**89c** [Notes on minerals.] *N Y Ac Sc, Tr* 8:158-163 (1889)

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**90a** On the group of meteorites recently discovered in Brenham township, Kiowa Co., Kans. *N Y Ac Sc, Tr* 9:186-194 (1890)

**90b** Meteoric iron from Bridgewater, Burke Co., N. C. *N Y Ac Sc, Tr* 9:194-197 (1890)

**90c** Meteoric iron from Colfax township, Rutherford Co., N. C. *N Y Ac Sc, Tr* 9:197-198 (1890)

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**91c** (and **Weinschenk, E.**) Meteoritenstudien [Washington, Kans.; Floyd Mountain, Va.] *Tschermak's Mitt N F* 12:177-185 (1891)

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**05a** The exhibit of the U. S. Geological Survey radium collection shown at the St. Louis exposition [proposes name moissanite]. *Science n s* 21:665 (1905)

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**07c** (and **Washington, H. S.**) Occurrence of diamonds in Arkansas. U S G S, Min Res 1906:1247-1251 (1907)

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**13c** A new genus and species of *Ceratopsia* from the Belly River formation of Alberta. *Ottawa Nat* 27:109-116, il (1913)

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**48** On a new fossil genus and species of ruminantoid Pachydermata; *Merycoidodon culbertsonii*. *Ac N Sc Phila*, Pr 4:47-50, il (1848)

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**50** On *Eucrotaphus jacksoni* and *Archaeotherium mortoni*. *Ac N Sc Phila*, Pr 5:90-93 (1850)

**50a** [On *Rhinoceros occidentalis*.] *Ac N Sc Phila*, Pr 5:119 (1850)

**50b** [Descriptions of mammalian remains from Missouri Terr.] *Ac N Sc Phila*, Pr 5:121-122, 170-171 (1850)

**51** [On fossil tortoises from Nebraska.] *Ac N Sc Phila*, Pr 5:172-173 (1851)

**51a** [Descriptions of fossil ruminant ungulates from Nebraska Territory.] *Ac N Sc Phila*, Pr 5:237-239, 276 (1851)

**51b** [On *Crocodylus antiquus* from the Miocene of Westmoreland Co., Va.] *Ac N Sc Phila*, Pr 5:307 (1851)

**51c** [Descriptions of two species of *Balaena* from the Miocene of Virginia.] *Ac N Sc Phila*, Pr 5:308-309 (1851)

**51d** [Descriptions of fossil reptilian and mammalian remains.] *Ac N Sc Phila*, Pr 5:325-328 (1851)



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**51e** [Descriptions of vertebrate fossils from the green sand of New Jersey.] Ac N Sc Phila, Pr 5:329-330 (1851)

**52** Memoir on the extinct species of American ox. Smiths Contr Knowl 5 art 3:20 pp, il (1852)

**52a** Description of the remains of extinct Mammalia and Chelonia from Nebraska Territory... In Owen, D. D., Report of a geological survey of Wisconsin, Iowa, and Minnesota...:535-572, il, Phila 1852

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**52c** Description of a new species of crocodile from the Miocene of Virginia. Ac N Sc Phila, J (2) 2:135-138, il (1852)

**52d** [On *Rhinoceros americanus* from Nebraska Terr.] Ac N Sc Phila, Pr 6:2 (1852)

**52e** [On *Emys culbertsonii* from Nebraska Terr.] Ac N Sc Phila, Pr 6:34 (1852)

**52f** [On *Delphinus conradi* from the Miocene of Virginia and *Thoracosaurus grandis* from the green sand formation of New Jersey.] Ac N Sc Phila, Pr 6:35 (1852)

**52g** [On *Pontogeneus priscus* from the Eocene of Louisiana.] Ac N Sc Phila, Pr 6:52 (1852)

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**52i** [On two crania of extinct species of ox.] Ac N Sc Phila, Pr 6:71 (1852)

**52j** [On *Tapirus haysii*.] Ac N Sc Phila, Pr 6:106, 148 (1852)

**52k** [Remarks on a fossil ox and on Edentata.] Ac N Sc Phila, Pr 6:117 (1852)

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**53b** A memoir on the extinct Dicotylinae of America. Am Ph Soc, Tr n s 10:323-343, il (1853)

**53c** [Remarks on several fossil teeth.] Ac N Sc Phila, Pr 6:241 (1853)

**53d** [On *Ursus amplidens* from Natchez, Miss.] Ac N Sc Phila, Pr 6:303 (1853)

**53e** [Observations on extinct Cetacea.] Ac N Sc Phila, Pr 6:377-378 (1853)

**53f** [Remarks on a collection of fossil Mammalia from Nebraska.] Ac N Sc Phila, Pr 6:392-394 (1853)

**54** On *Bathygnathus borealis*, an extinct saurian of the New Red Sandstone of Prince Edward's Island. Ac N Sc Phila, J (2) 2:327-330, il (1854) Am J Sc (2) 19:444-446 (1854)

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**54b** [On *Harlanus* and other mammalian remains.] Ac N Sc Phila, Pr 7:89-90 (1854)

**54c** [On *Dinictis felina* from Nebraska.] Ac N Sc Phila, Pr 7:127 (1854)

**54d** Synopsis of extinct Mammalia, the remains of which have been discovered in the Eocene formations of Nebraska. Ac N Sc Phila, Pr 7:156-157 (1854)

**54e** Description of a fossil apparently indicating an extinct species of the camel tribe. Ac N Sc Phila, Pr 7:172-173 (1854)

**54f** Notice of some fossil bones discovered ... in the banks of the Ohio River, Indiana. Ac N Sc Phila, Pr 7:199-201 (1854)

**54g** Remarks on the question of the identity of *Bootherium cavifrons* with *Ovibos moschatus* or *O. maximus*. Ac N Sc Phila, Pr 7:209-210 (1854)

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**55a** Indications of twelve species of fossil fishes. Ac N Sc Phila, Pr 7:395-397 (1855)

**55b** Indications of five species, with two new genera, of extinct fishes. Ac N Sc Phila, Pr 7:414 (1855)

**56** Descriptions of some remains of fishes from the Carboniferous and Devonian formations of the United States. Ac N Sc Phila, J (2) 3:159-165, il (1856)

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**56b** Descriptions of two ichthyodonto-lites. Ac N Sc Phila, Pr 8:11-12 (1856) Am J Sc (2) 21:421-422 (1856)

**56c** Notices of some remains of extinct Mammalia, recently discovered by Dr. F. V. Hayden in the badlands of Nebraska. Ac N Sc Phila, Pr 8:59 (1856) Am J Sc (2) 21:422-423 (1856)

**56d** Notices of remains of extinct reptiles and fishes, discovered by Dr. F. V. Hayden in the badlands of the Judith River, Nebraska Terr. Ac N Sc Phila, Pr 8:72-73 (1856) Am J Sc (2) 22:118-120 (1856)

**56e** Notices of remains of extinct Mammalia discovered by Dr. F. V. Hayden, in Nebraska Terr. Ac N Sc Phila, Pr 8:88-90 (1856)

**56f** Notice of the remains of a species of seal, from the post-Pliocene deposit of the Ottawa River. Ac N Sc Phila, Pr 8:90-91, il (1856) Can Nat 1:238, il (1856)

**56g** Notices of several genera of extinct Mammalia, previously less perfectly characterized. Ac N Sc Phila, Pr 8:91-92 (1856)



**Leidy, Joseph—Continued.**

**56h** [On extinct Dicotylinæ of America.] Ac N Sc Phila, Pr 8:140 (1856)

**56i** Notice of some remains of extinct vertebrated animals. Ac N Sc Phila, Pr 8:163-165 (1856)

**56j** Notices of remains of extinct vertebrated animals of New Jersey ... Ac N Sc Phila, Pr 8:220-221 (1856)

**56k** Notices of remains of extinct vertebrated animals discovered by Prof. E. Emmons [in North Carolina]. Ac N Sc Phila, Pr 8:255-256 (1856) Am J Sc (2) 23:271-272 (1857)

**56l** Notice of some remains of fishes discovered by Dr. John E. Evans. Ac N Sc Phila, Pr 8:256-257 (1856)

**56m** Notice of remains of two species of seals. Ac N Sc Phila, Pr 8:265 (1856)

**56n** Remarks on certain extinct species of fishes. Ac N Sc Phila, Pr 8:301-302 (1856)

**56o** Notices of remains of extinct turtles of New Jersey ... Ac N Sc Phila, Pr 8:303-304 (1856)

**56p** Notices of extinct Vertebrata discovered by Dr. F. V. Hayden, during the expedition to the Sioux country... Ac N Sc Phila, Pr 8:311-312 (1856)

**57** List of extinct Vertebrata, the remains of which have been discovered in the region of the Missouri River; with remarks on their geological age. Ac N Sc Phila, Pr 1857:89-91

**57a** [On fossils from Phoenixville, Pa.] Ac N Sc Phila, Pr 1857:149-150

**57b** Notices of some remains of extinct fishes. Ac N Sc Phila, Pr 1857:167-168

**57c** Rectification of the references of certain of the extinct mammalian genera of Nebraska. Ac N Sc Phila, Pr 1857:175-176

**57d** [On *Mosasaurus*.] Ac N Sc Phila, Pr 1857:176

**57e** Notice of remains of the walrus discovered on the coast of the United States. Am Ph Soc, Tr n s 11:83-86, il (1857)

**57f** Descriptions of the remains of fishes from the Carboniferous limestone of Illinois and Missouri. Am Ph Soc, Tr n s 11:87-90, il (1857)

**57g** Remarks on *Saurocephalus* and its allies. Am Ph Soc, Tr n s 11:91-95, il (1857)

**57h** Observations on the extinct peccary of North America ... Am Ph Soc, Tr n s 11:97-105, il (1857)

**57i** Remarks on the structure of the feet of *Megalonyx*. Am Ph Soc, Tr n s 11:107-108, il (1857)

**58** [On remains of extinct animals from the Niobrara Valley]. Am J Sc (2) 25:441-442 (1858)

**58a** [Remarks on fossil Mammalia from Nebraska.] Ac N Sc Phila, Pr 1858:7

**Leidy, Joseph—Continued.**

**58b** [On mastodon remains from Nebraska.] Ac N Sc Phila, Pr 1858:10

**58c** [On Mammalia from Niobrara Valley, Nebr.] Ac N Sc Phila, Pr 1858:11

**58d** [On *Mastodon longirostris* and *Tapirus mastodontoides*.] Ac N Sc Phila, Pr 1858:12

**58e** Notice of remains of extinct Vertebrata, from the valley of the Niobrara River, collected during the exploring expedition of 1857, in Nebraska ... Ac N Sc Phila, Pr 1858:20-29

**58f** [On *Procamelus* from the Niobrara valley, Nebr.] Ac N Sc Phila, Pr 1858:89

**58g** *Hadrosaurus foulkii*, a new saurian from the Cretaceous of New Jersey ... Ac N Sc Phila, Pr 1858:215-218 Am J Sc (2) 37:266-270 (1858)

**59** [On fish remains from the Carboniferous of Kansas.] Ac N Sc Phila, Pr 1859:3

**59a** [Observations on *Mastodon* from Honduras and on *Mosasaurus*, with synonymy.] Ac N Sc Phila, Pr 1859:91-92

**59b** [On fossils from Phoenixville, Chester Co., Pa.] Ac N Sc Phila, Pr 1859:110

**59c** [On fish remains from Bethany, Va.] Ac N Sc Phila, Pr 1859:110

**59d** [On mammalian remains from Claiborne Co., Miss.] Ac N Sc Phila, Pr 1859:111

**59e** [On vertebrate remains from Chatham Co., N. C.] Ac N Sc Phila, Pr 1859:162

**59f** Extinct Vertebrata from the Judith River and great lignite formations of Nebraska. Am Ph Soc, Tr n s 11:139-154, il (1859)

**59g** [On the remains of reindeer found at Sing Sing, N. Y., and Vincentown, N. J.] Ac N Sc Phila, Pr 1859:194

**59h** On the geology and the remains of some extinct Vertebrata in the Territory of Nebraska. Am Ph Soc, Pr 7:10-11 (1859)

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**60b** [On dicotyles from Gibson Co., Ind.] Ac N Sc Phila, Pr 1860:416

**60c** [On fossil teeth from Washington Co., Tex.] Ac N Sc Phila, Pr 1860:416

**62** Observations upon the mammalian remains found in the crevices of the lead-bearing rocks at Galena, Ill. In Hall, James, and Whitney, J. D., Report of a geological survey of the State of Wisconsin vol. I:424 (1862)

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**65b** [On bones from a guano deposit on the Island of Orchilla, W. I.] Ac N Sc Phila, Pr 1865: 181-182

**65c** [On the species of *Rhinoceros*.] Ac N Sc Phila, Pr 1865: 176-177

**65d** [On bones and teeth of horses from California and Oregon.] Ac N Sc Phila, Pr 1865: 94

**66** [On a phalanx of an extinct reptile from Columbus, Miss.] Ac N Sc Phila, Pr 1866: 9

**66a** [On the remains of birds.] Ac N Sc Phila, Pr 1866: 237

**66b** [On fossil bones from Mauvaises Terres, White River, Nebr. (*Drepanodon* or *Machairodus occidentalis*).] Ac N Sc Phila, Pr 1866: 345

**67** [On a skull of *Bison antiquus* from California.] Ac N Sc Phila, Pr 1867: 85

**67a** [Remarks on a fossil skull of *Geomys bursarius* from the loess of Nebraska.] Ac N Sc Phila, Pr 1867: 97

**67b** [Remarks on a skull of *Castoroides ohioensis* from Charleston, Ill.] Ac N Sc Phila, Pr 1867: 97-98

**68** Notice of some vertebrate remains from Harden Co., Tex. Ac N Sc Phila, Pr 1868: 174-176

**68a** Indication of an *Elotherium* in California. Ac N Sc Phila, Pr 1868: 177

**68b** Notice of some reptilian remains from Nevada. Ac N Sc Phila, Pr 1868: 177-178

**68c** Notice of some vertebrate remains from the West Indian Islands (Cienfuegos, Cuba). Ac N Sc Phila, Pr 1868: 178-180

**68d** Notice of some remains of horses. Ac N Sc Phila, Pr 1868: 195

**68e** Notice of some extinct cetaceans. Ac N Sc Phila, Pr 1868: 196-197

**68f** Remarks on a jaw fragment of *Megalosaurus*. Ac N Sc Phila, Pr 1868: 197-200

**68g** Remarks on *Conosaurus* of Gibbes. Ac N Sc Phila, Pr 1868: 200-202

**68h** Notice of American species of *Ptychodus*. Ac N Sc Phila, Pr 1868: 205-208

**68i** Notice of some remains of extinct pachyderms. Ac N Sc Phila, Pr 1868: 230-233

**68j** Notice of some remains of extinct Insectivora from Dakota. Ac N Sc Phila, Pr 1868: 315-316

**69** On the extinct Mammalia of Dakota and Nebraska ... together with a synopsis of the mammalian remains of North America. Ac N Sc Phila, J (2) 7: 23-472, il (1869)

**69a** Notice of some extinct vertebrates from Wyoming and Dakota. Ac N Sc Phila, Pr 1869: 63-67

**70** On the *Elasmosaurus platyrus* of Cope. Am J Sc (2) 49: 392 (1870)

## Leidy, Joseph—Continued.

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**70b** [On reptilian remains from Colorado, Pickens Co., Ala., and Wyoming.] Ac N Sc Phila, Pr 1870: 3-5

**70c** [Remarks on *Myiodon* remains from Central America and on *Dromatherium sylvestre*.] Ac N Sc Phila, Pr 1870: 8-9

**70d** [Remarks on *Elasmosaurys platyrus* and other vertebrate remains.] Ac N Sc Phila, Pr 1870: 9-11

**70e** [Remarks on ichthyodorulites from Kansas and Tennessee and on mammalian remains from Illinois.] Ac N Sc Phila, Pr 1870: 12-13

**70f** [On rhinoceros remains from the Badlands.] Ac N Sc Phila, Pr 1870: 65-66

**70g** [On vertebrate remains from Idaho, Utah, and Oregon.] Ac N Sc Phila, Pr 1870: 66-67

**70h** [Remarks on *Hadrosaurus* and its allies.] Ac N Sc Phila, Pr 1870: 67-68

**70i** [On remains of *Elephas* and *Bison* from a well at Burlington, Kans.] Ac N Sc Phila, Pr 1870: 69

**70j** [On new cyprinoid fishes from the Rocky Mountains region.] Ac N Sc Phila, Pr 1870: 69-71

**70k** [On remains of *Ovibos* from Harrison Co., Iowa.] Ac N Sc Phila, Pr 1870: 73

**70l** [Notice of *Nothosaurops occiduus* from Moreau River, S. Dak.] Ac N Sc Phila, Pr 1870: 74

**70m** Notes on the American mastodon and other fossils. Ac N Sc Phila, Pr 1870: 96-99 Am J Sc (3) 1: 63-65 (1870)

**70n** [Description of *Crocodylus elliotti* from Wyoming.] Ac N Sc Phila, Pr 1870: 100

**70o** [On vertebrate fossils from Wyoming.] Ac N Sc Phila, Pr 1870: 109-110

**70p** [On vertebrate fossils from the John Day region, Oreg.] Ac N Sc Phila, Pr 1870: 111-113

**70q** [On mammalian remains from Wyoming.] Ac N Sc Phila, Pr 1870: 113-114

**70r** [On *Graphiodon vinearius* from Martha's Vineyard, Mass, and on *Crocodylus elliotti*.] Ac N Sc Phila, Pr 1870: 122

**70s** [Descriptions of species of *Emys* and *Saniwa* from Wyoming.] Ac N Sc Phila, Pr 1870: 123-124

**70t** [Remarks on vertebrate fossils from Table Mountain, Tuolumne Co., Cal.] Ac N Sc Phila, Pr 1870: 125-127

**70u** [On *Lophiotherium sylvaticum* from Green River, Wyo., and on *Protohippus*.] Ac N Sc Phila, Pr 1870: 126-127

**70v** On *Discosaurus* and its allies. Ac N Sc Phila, Pr 1870: 18-22 Am J Sc (2) 50: 139-140 (1870)

**71** Report on the vertebrate fossils of the Tertiary formations of the West. U S G S Wyo (Hayden), Prel Rp [4]: 340-370 (1871)



**Leidy, Joseph—Continued.**

- 71a** [On mammalian fossils from California.] Ac N Sc Phila, Pr 1871:50
- 71b** [On turtles from Wyoming.] Ac N Sc Phila, Pr 1871:102-103
- 71c** Remains of mastodon and horse in North Carolina. Ac N Sc Phila, Pr 1871:113
- 71d** Remains of extinct mammals from Wyoming. Ac N Sc Phila, Pr 1871:113-116
- 71e** [On *Palaeosyops* from Fort Bridger, Wyo.] Ac N Sc Phila, Pr 1871:118
- 71f** Remarks on a fossil *Testudo* from Wyoming and supposed fossil turtle eggs. Ac N Sc Phila, Pr 1871:154-155
- 71g** Remarks on donations of fossils from Wyoming. Ac N Sc Phila, Pr 1871:197
- 71h** Remarks on mastodon, etc., of California. Ac N Sc Phila, Pr 1871:198-199
- 71i** Note on *Anchitherium*. Ac N Sc Phila, Pr 1871:199
- 71j** Remarks on fossil vertebrates from Wyoming. Ac N Sc Phila, Pr 1871:228-229 (1871) Am J Sc (3) 2:372-373 (1871) Am Nat 5:664-666 (1871)
- 71k** Notice of some extinct rodents. Ac N Sc Phila, Pr 1871:230-232
- 72** On the fossil vertebrates of the early Tertiary formation of Wyoming. U S G S Mont (Hayden), An Rp 5:353-372 (1872)
- 72a** Remarks on the minerals of Mount Mica, Maine. Ac N Sc Phila, Pr 1871:245-247 (1872)
- 72b** Remarks on fossils from Oregon. Ac N Sc Phila, Pr 1871:247-248 (1872)
- 72c** Notice of corundum. Ac N Sc Phila, Pr 1872:19
- 72d** Remarks on fossils from Wyoming. Ac N Sc Phila, Pr 1872:19-21
- 72e** Remarks on some extinct mammals. Ac N Sc Phila, Pr 1872:37-38
- 72f** Remarks on some extinct vertebrates. Ac N Sc Phila, Pr 1872:38-40
- 72g** Remarks on mastodon from New Mexico. Ac N Sc Phila, Pr 1872:142
- 72h** On a new genus of extinct turtles. Ac N Sc Phila, Pr 1872:162
- 72i** On some remains of Cretaceous fishes. Ac N Sc Phila, Pr 1872:162-163
- 72j** Remarks on fossil shark teeth. Ac N Sc Phila, Pr 1872:166
- 72k** On some new species of fossil Mammalia from Wyoming. Ac N Sc Phila, Pr 1872:167-169 Am J Sc (3) 4:239-240 (1872)
- 72l** Notice of a corundum mine [Unionville, Chester Co., Pa.]. Ac N Sc Phila, Pr 1872:238-239
- 72m** Remarks on fossil mammals from Wyoming. Ac N Sc Phila, Pr 1872:240-242
- 72n** Remarks on the action of wind and sand on rocks. Ac N Sc Phila, Pr 1872:243

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- 73b** Remarks on fossils from Wyoming. Ac N Sc Phila, Pr 1872:277 (1873)
- 73c** Notice of fossil Vertebrata from the Miocene of Virginia. Ac N Sc Phila, Pr 1873:15 Am J Sc (3) 5:311-312 (1873)
- 73d** Notice of remains of fishes in the Bridger Tertiary formation of Wyoming. Ac N Sc Phila, Pr 1873:97-99
- 73e** Remarks on the occurrence of an extinct hog in America. Ac N Sc Phila, Pr 1873:207
- 73f** Remarks on extinct mammals from California. Ac N Sc Phila, Pr 1873:259-260
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- 74a** [Remarks on *Thespesius* and *Ischyrotherium*.] Ac N Sc Phila, Pr 1874:74-75
- 74b** Notice of remains of *Titanotherium*. Ac N Sc Phila, Pr 1874:165-166
- 75** Remarks on fossils presented. Ac N Sc Phila, Pr 1874:223-224 (1875)
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**71a** Note on an apparent violation of the law of regular progressive de-bitumination of the American coal beds coming east. *Am Ph Soc*, Pr 12:125-138, maps (1871)

**71b** Note on the titaniferous iron ore belt, near Greensboro, N. C. *Am Ph Soc*, Pr 12:139-158, map (1871)

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**93d** Evidences of the diversity of the older drift in northwestern Illinois (*abst*). *Am G* 12:229 (1893)

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**98b** Correlation of moraines with beaches on the border of Lake Erie. Am G 21:195-199 (1898)

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**06b** (and others) Flowing wells and municipal water supplies in the southern portion of the southern peninsula of Michigan. U S G S, W-S P 182:292 pp, map (1906)

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**13d** Iowan drift (*abst*, with discussion by A. P. Coleman). *G Soc Am*, B 24:698-699 (1913)

**13e** Early stages and outlets of Lake Agassiz. *N Dak, Agr Coll S, Bien Rp* 6:17-28, map [1913]

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**14a** Map of the surface formations of Minnesota. Sheet 1 [northwest quarter of State]. Scale 1:500,000. *Minn G S*, 1914

**14b** Observations on Craighton Lake [Ohio]. *Am J Sc* (4) 38:432-436, map (1914)

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**80b** On siderophyllite, a new mineral [Pike's Peak, Colo.]. *Ac N Sc Phila*, Pr 1880:254-255; *Min G Sec*, Pr no 1:18-19 (1880)

**80c** On sterlingite and damourite [Sterling, Mass.]. *Ac N Sc Phila*, Pr 1880:256; *Min G Sec*, Pr no 1:20 (1880)

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**80j** A new locality for lignite [Montgomery Co., Pa.]. *Ac N Sc Phila*, Pr 1880:281; *Min G Sec*, Pr no 1:45 (1880)

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**80m** On a new fucoidal plant from the Trias. *Ac N Sc Phila*, Pr 1880:293-294, il; *Min G Sec*, Pr no 1:57-58, il (1880)

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**Lewis, Henry Carvill—Continued.**

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**82e** On a fault in the Trias near Yardleyville, Pa. *Ac N Sc Phila*, Pr 1882:40-41; *Min G Sec*, Pr no 2:7-8 (1882)

**82f** On two new localities of columbite. *Ac N Sc Phila*, Pr 1882:51; *Min G Sec*, Pr no 2:18 (1882)

**82g** On the occurrence of fahlunite near Philadelphia. *Ac N Sc Phila*, Pr 1882:51-52; *Min G Sec*, Pr no 2:18-19 (1882)

**82h** Note on aquacryptite. *Ac N Sc Phila*, Pr 1882:56-57; *Min G Sec*, Pr no 2:23-24 (1882)

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**83b** The geology of Philadelphia. Franklin Inst, J 115 or (3) 85:359-374, 422-427 (1883) Rv by Persifor Frazer, Science 2:269-270 (1883)

**83c** Geology of Philadelphia [on p. 540 is a reply by Persifor Frazer]. Science 2:402-403, 652-653 (1883)

**83d** [On the course of the great terminal moraine through Pennsylvania.] Am Ph Soc, Pr 20:662-664, map (1883)

**83e** The great terminal moraine across Pennsylvania. Science 2:163-167, map (1883) Am As, Pr 31:389-398, map (1883)

**83f** [On the antiquity of man in America.] Ac N Sc Phila, Pr 1882:292-293 (1883)

**83g** Some enclosures in muscovite. Ac N Sc Phila, Pr 1882:311-315 (1883)

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**83i** [The thickness of the ice of the glacial period and the cause of its movement.] Ac N Sc Phila, Pr 1883:47-49

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**83k** Crystallized serpentine from Delaware. Ac N Sc Phila, Pr 1883:72-74

**83l** Supposed glacial striae on Locust Mountain, Pa. Am J Sc (3) 26:483-484 (1883)

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**84e** [Fossils in the Triassic shale of Phoenixville, Pa.] Science 3:295 (1884)

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**07a** Copper deposits of the New Jersey Triassic. Ec G 2:242-257 (1907)

**07b** Structure and correlation of Newark trap rocks of New Jersey. G Soc Am, B 18:195-210 (1907) *Abst*, Science n s 26:177-178 (1907); N Y Ac Sc, An 18:336 (1908)

**07c** The origin and relations of the Newark rocks. N J G S, An Rp St G 1906:99-129, map (1907)



**Lewis, Joseph Volney**—Continued.

**07d** The Newark (Triassic) copper ores of New Jersey. N J G S, An Rp St G 1906:131-164 (1907)

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**08a** Petrography of the Newark igneous rocks of New Jersey. N J G S, An Rp St G 1907:97-167, map (1908) *Abst*, Science n s 28:574 (1908)

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**13** Determinative mineralogy, with tables for the determination of minerals by means of their chemical and physical characters. 151 pp, N Y 1913 2d ed, 155 pp, N Y 1915

**14** Origin of pillow lavas. G Soc Am, B 25:591-654 (*abst* with discussion 32-33) (1914)

**15** (and **Kümmel, H. B.**) The geology of New Jersey; a summary to accompany the geologic map (1910-1912) on the scale of 1:250,000. N J G S, B 14:146 pp, map (1915)

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**15b** The pillow lavas of the Watchung Mountains [N. J.]. N J G S, B 16:51-56 (1915)

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**67c** Contributions to the mineralogy of Nova Scotia; ledererite identical with gmelinite. *Am J Sc* (2) 44:362-367 (1867)

**68** On the Palaeotrochis of Emmons from North Carolina. *Am J Sc* (2) 45:217-219, il (1868)

**68a** Notice of a new and diminutive species of fossil horse (*Equus parvulus*) from the Tertiary of Nebraska. *Am J Sc* (2) 46:374-375 (1868)

**68b** On the origin of the so-called lignites or epsomites (*abst.*). *Am As, Pr* 16:135-143 (1868) *Can Nat n s* 3:293 (1868)

**68c** On certain effects produced upon fossils by weathering (*abst.*). *Can Nat n s* 3:305 (1868)

**69** Description of a new species of *Proctichnites*, from the Potsdam sandstone of New York. *Am As, Pr* 17:322-324 (1869) *Am J Sc* (2) 48:46-49 (1869)

**69a** On the preservation of color in fossils from Paleozoic formations. *Am As, Pr* 17:325-326 (1869)

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**69c** Description of a new and gigantic fossil serpent (*Dinophis grandis*) from the Tertiary of New Jersey. *Am J Sc* (2) 48:397-400 (1869) *Abst, Am Nat* 4:254 (1870)

**69d** Remarkable locality of vertebrate remains in the Tertiary of Nebraska (*abst.*). *Am Nat* 3:445 (1869) *Can Nat n s* 4:322-323 (1869)

**70** Notice of some fossil birds from the Cretaceous and Tertiary formations of the United States. *Am J Sc* (2) 49:205-217, 272 (1870) *Abst, Ac N Sc Phila, Pr* 1870:5-6; *G Mag* 7:377-378 (1870)

**70a** Notice of a new species of gavial from the Eocene of New Jersey. *Am J Sc* (2) 50:97-99 (1870) *G Mag* 7:427 (1870)

**70b** Discovery of the Mauvaises Terres formation in Colorado. *Am J Sc* (2) 50:292 (1870) *Can Nat n s* 5:240 (1870)

**70c** [Remarks on reptilian remains from New Jersey, etc.] *Ac N Sc Phila, Pr* 1870:2-3

**70d** [Notice of *Dicotyles antiquus* from Shark River Miocene of New Jersey.] *Ac N Sc Phila, Pr* 1870:11

**70e** Notice of some new Tertiary and Cretaceous fishes (*abst.*). *Am As, Pr* 18:227-230 (1870)

**71** On the geology of the eastern Uinta Mountains. *Am J Sc* (3) 1:191-198 (1871)

**71a** Notice of a fossil forest in the Tertiary of California. *Am J Sc* (3) 1:266-268 (1871)

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**71b** Description of some new fossil serpents from the Tertiary deposits of Wyoming. *Am J Sc* (3) 1:322-329 (1871) *Italia, R Comitato G, B* 3:273-278 (1872)

**71c** Notice of some new fossil reptiles from the Cretaceous and Tertiary formations. *Am J Sc* (3) 1:447-459 (1871) *Italia, R Comitato G, B* 3:278-283, 338-342 (1872)

**71d** Note on a new and gigantic species of pterodactyl. *Am J Sc* (3) 1:472 (1871)

**71e** Notice of some new fossil mammals and birds from the Tertiary formation of the West. *Am J Sc* (3) 2:120-127 (1871) *Italia, R Comitato G, B* 3:350-353 (1872)

**71f** Notice of some new fossil mammals from the Tertiary formation. *Am J Sc* (3) 2:35-44 (1871) *Italia, R Comitato G, B* 3:343-350 (1872)

**71g** [On new reptiles and fishes from the Cretaceous and Tertiary, chiefly from the Rocky Mountain region.] *Ac N Sc Phila, Pr* 1871:103-105

**71h** [On a tooth of *Lophiodon* from the Miocene marl of Cumberland Co., N. J.] *Ac N Sc Phila, Pr* 1871:9-10

**72** Discovery of a remarkable fossil bird. *Am J Sc* (3) 3:56-57 (1872)

**72a** Discovery of additional remains of Pterosauria with descriptions of two new species. *Am J Sc* (3) 3:241-248 (1872)

**72b** Discovery of the dermal scutes of mosasauroid reptiles. *Am J Sc* (3) 3:290-292 (1872)

**72c** Notice of a new species of *Hadrosaurus*. *Am J Sc* (3) 3:301 (1872)

**72d** Preliminary description of *Hesperornis regalis*, with notice of four other new species of Cretaceous birds. *Am J Sc* (3) 3:360-365 (1872) *An Mag N H* (4) 10:212-217 (1872) *Italia, R Comitato G, B* 3:211-217 (1872)

**72e** On two new ornithosaurians from Kansas. *Am J Sc* (3) 3:374-375 (1872)

**72f** On the structure of the skull and limbs in mosasauroid reptiles, with descriptions of new genera and species. *Am J Sc* (3) 3:448-464, il (1872)

**72g** Preliminary description of new Tertiary mammals. *Am J Sc* (3) 4:122-128, 202-224 (1872)

**72h** Note on *Rhinosaurus*. *Am J Sc* (3) 4:147 (1872)

**72i** Notice of some new Tertiary and post-Tertiary birds. *Am J Sc* (3) 4:256-262 (1872) *Abst, Ac N Sc Phila, Pr* 1870:11

**72j** Preliminary description of new Tertiary reptiles. *Am J Sc* (3) 4:298-309 (1872)

**72k** Note on *Tinoceras anceps*. *Am J Sc* (3) 4:322 (1872)

**72l** Notice of a new species of *Tinoceras*. *Am J Sc* (3) 4:323 (1872)

**72m** Notice of some remarkable fossil mammals. *Am J Sc* (3) 4:343-344 (1872)



Marsh, Othniel Charles—Continued.

**72n** Notice of a new and remarkable fossil bird. *Am J Sc* (3) 4:344 (1872) *Am Nat* 7:50 (1872) *An Mag N H* (4) 11:80 (1873)

**72o** Discovery of fossil *Quadrumania* in the Eocene of Wyoming. *Am J Sc* (3) 4:405-406 (1872) *G Mag* 10:33 (1873) *Am Nat* 7:179-180 (1873)

**72p** Note on a new genus of carnivores from the Tertiary of Wyoming. *Am J Sc* (3) 4:406 (1872) *G Mag* 10:33-34 (1873)

**72q** Notice of a new reptile from the Cretaceous [Kans.] *Am J Sc* (3) 4:406 (1872) *G Mag* 10:34 (1873)

**72r** Synopsis of the fossil forms [of North American birds]. In Coues, Elliott, Key to North American birds, pp 347-350, Salem 1872 *Abst*, *Am J Sc* (3) 5:229-230 (1873)

**72s** Boulders in coal. *Am Nat* 6:439 (1872)

**73** Notice of a new species of *Ichthyornis*. *Am J Sc* (3) 5:74 (1873)

**73a** On the gigantic fossil mammals of the order Dinocerata. *Am J Sc* (3) 5:117-122, il, 293-296, 310-311 (1873) *J Zool*, Paris, 2:160-168, il (1873) *An Sc Nat*, Zool (5) 17 art 9:1-8, il (1873)

**73b** On a new subclass of fossil birds (Odontornithes). *Am J Sc* (3) 5:161-162 (1873) *An Nat* 7:115-117 (1873) *An Mag N H* (4) 11:233-234 (1873) *G Mag* 10:115-116 (1873) *An Sc Nat*, Zool (5) 17 art 9:8-10 (1873)

**73c** Notice of new Tertiary mammals. *Am J Sc* (3) 5:407-410, 485-488 (1873)

**73d** New observations on the Dinocerata. *Am J Sc* (3) 6:300-301 (1873)

**73e** On some of Professor Cope's recent investigations. *Am Nat* 7:51-52 (1873)

**73f** The fossil mammals of the order Dinocerata. *Am Nat* 7:146-153, il (1873)

**73g** On the genus *Tinoceras* and its allies. *Am Nat* 7:217-218 (1873)

**73h** *Tinoceras* and its allies. *Am Nat* 7:306-308 (1873)

**73i** Note on the dates of some of Professor Cope's recent papers. *Am Nat* 7:173 (1873) *Am J Sc* (3) 5:235-236 (1873)

**73j** On the dates of Professor Cope's recent publications. *Am Nat* 7:303-306 (1873)

**73k** Reply to Professor Cope's explanation. *Am Nat* 7:Appendix to June no:ix pp (1873)

**73l** Communication on the discovery of new Rocky Mountain fossils. *Am Ph Soc*, Pr 12:578-579 (1873) *Ann Sc Géol*, 3 art 6:99-100 (1873)

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Marsh, Othniel Charles—Continued.

**74** On the structure and affinities of the Brontotheridae. *Am J Sc* (3) 7:81-86, il (1874) *Am Nat* 8:79-85, il (1874)

**74a** Notice of new equine mammals from the Tertiary formation. *Am J Sc* (3) 7:247-258, il (1874) (*in part*) *An Mag N H* (4) 13:397-400, il (1874) (*in part*) *Cin Q J Sc* 1:157-160 (1874)

**74b** Notice of new Tertiary mammals, III. *Am J Sc* (3) 7:531-534 (1874)

**74c** Small size of the brain in Tertiary mammals. *Am J Sc* (3) 8:66-67 (1874) *Am Nat* 8:503-504 (1874) *An Mag N H* (4) 14:167 (1874) *J Zool*, Paris, 3:326-327 (1874)

**74d** Fossil horses in America. *Am Nat* 8:288-294, il (1874)

**75** Ancient lake basins of the Rocky Mountain region. *Am J Sc* (3) 9:49-52 (1875) *Abst*, *Am Nat* 9:119 (1875); *G Mag* (2) 2:232-233 (1875)

**75a** New order of Eocene mammals. *Am J Sc* (3) 9:221 (1875) *Am Nat* 9:182-183 (1875) *An Mag N H* (4) 15:307 (1875) *Nature* 11:368 (1875) *J Zool*, Paris, 4:70-71 (1875)

**75b** Notice of new Tertiary mammals, IV. *Am J Sc* (3) 9:239-250 (1875)

**75c** On the Odontornithes, or birds with teeth. *Am J Sc* (3) 10:403-408, il (1875) *Am Nat* 9:625-631, il (1875) *G Mag* (2) 3:49-53, il (1876) *J Zool*, Paris, 4:494-502 (1875)

**76** Principal characters of the Dinocerata. *Am J Sc* (3) 11:163-168, il (1876) *J Zool*, Paris, 5:136-145, il (1876)

**76a** Principal characters of the Tillodontia. *Am J Sc* (3) 11:249-251, il (1876) *J Zool*, Paris, 5:244-248, il (1876)

**76b** Principal characters of the Brontotheridae. *Am J Sc* (3) 11:335-340, il (1876) *J Zool*, Paris, 5:248-255, il (1876)

**76c** On some characters of the genus *Coryphodon* Owen. *Am J Sc* (3) 11:425-428, il (1876)

**76d** Notice of a new suborder of Pterosauria. *Am J Sc* (3) 11:507-509 (1876)

**76e** Notice of new Odontornithes. *Am J Sc* (3) 11:509-511 (1876) *J Zool*, Paris, 5:304-306 (1876)

**76f** Recent discoveries of extinct animals. *Am J Sc* (3) 12:59-61 (1876) *Am Nat* 10:436-439 (1876)

**76g** Notice of new Tertiary mammals, V. *Am J Sc* (3) 12:401-404 (1876)

**76h** Principal characters of American pterodactyls. *Am J Sc* (3) 12:479-480 (1876)

**77** Principal characters of the Coryphodontidae. *Am J Sc* (3) 14:81-85 (1877) *J Zool*, Paris, 6:380-385 (1877) *Abst*, *Am Nat* 11:500 (1877)



## Marsh, Othniel Charles—Continued.

**77a** Characters of the Odontornithes, with notice of a new allied genus. *Am J Sc* (3) 14: 85-87 (1877) *J Zool* 6: 385-389 (1877) *Abst, Ann Sc Géol* 8 no 3: 2 pp (1877); *Am Nat* 11: 500, il (1877)

**77b** Notice of a new and gigantic dinosaur [*Titanosaurus*]. *Am J Sc* (3) 14: 87-88 (1877) *J Zool, Paris*, 6: 248-250 (1877)

**77c** Notice of some new vertebrate fossils. *Am J Sc* (3) 14: 249-256, il (1877)

**77d** Introduction and succession of vertebrate life in America. *Am J Sc* (3) 14: 337-378 (1877) *Am As, Pr* 26: 211-258 (1878) *Nature* 16: 448-450, 470-472, 489-491 (1877) *Pop Sc Mo* 12: 513-527, 672-697 (1878) *Rv Scient* (2) 14 [an 7]: 1039-1046, 1064-1074 (1878)

**77e** A new order of extinct Reptilia (Stegosauria) from the Jurassic of the Rocky Mountains. *Am J Sc* (3) 14: 513-514 (1877)

**77f** Notice of new dinosaurian reptiles from the Jurassic formation. *Am J Sc* (3) 14: 514-516 (1877)

**77g** Brain of *Coryphodon*. *Am Nat* 11: 375 (1877)

**78** New species of *Ceratodus* from the Jurassic [of Colorado]. *Am J Sc* (3) 15: 76, il (1878) *An Mag N H* (5) 1: 184 (1878)

**78a** Notice of new dinosaurian reptiles. *Am J Sc* (3) 15: 241-244, il (1878)

**78b** Notice of new fossil reptiles. *Am J Sc* (3) 15: 409-411 (1878)

**78c** Fossil mammal from the Jurassic of the Rocky Mountains. *Am J Sc* (3) 16: 459 (1878) *An Mag N H* (5) 2: 108 (1878)

**78d** New pterodactyl from the Jurassic of the Rocky Mountains. *Am J Sc* (3) 16: 233-234 (1878)

**78e** Principal characters of American Jurassic dinosaurs. *Am J Sc* (3) 16: 411-416, il (1878); 17: 86-92, il (1879)

**78f** Brain of a fossil mammal [*Coryphodon*]. *Nature* 17: 340 (1878)

**79** A new order of extinct reptiles (Sauranodonta) from the Jurassic formation of the Rocky Mountains. *Am J Sc* (3) 17: 85-86 (1879)

**79a** Principal characters of American Jurassic dinosaurs. *Am J Sc* (3) 17: 86-92, il (1879)

**79b** Additional characters of the Sauropoda. *Am J Sc* (3) 17: 181-182 (1879)

**79c** The vertebrae of recent birds. *Am J Sc* (3) 17: 266-269, il (1879)

**79d** Polydactyl horses, recent and extinct. *Am J Sc* (3) 17: 499-505, il (1879)

**79e** Notice of a new Jurassic mammal. *Am J Sc* (3) 18: 60-61 (1879) *An Mag N H* (5) 4: 167-168 (1879) *G Mag* (2) 6: 371-372 (1879)

## Marsh, Othniel Charles—Continued.

**79f** Additional remains of Jurassic mammals. *Am J Sc* (3) 18: 215-216, il (1879)

**79g** History and methods of paleontological discovery. *Am As, Pr* 28: 1-42 (1880) *Am J Sc* (3) 18: 323-359 (1879) *Pop Sc Mo* 16: 219-236, 363-380 (1879-80) *Nature* 20: 494-499, 515-521 (1879) *Kosmos, Leipzig, Jg* 3 Bd 6: 339-352, 425-445 (1880)

**79h** Notice of new Jurassic mammals. *Am J Sc* (3) 18: 396-398 (1879)

**79i** Notice of new Jurassic reptiles. *Am J Sc* (3) 18: 501-505, il (1879)

**80** Odontornithes; a monograph on the extinct toothed birds of North America. *U S G Expl* 40th Par (King), 7: 201 pp, il (1880) *Yale Coll, Peabody Mus, Mem* 1: 201 pp, il (1880)

**80a** New characters of mosasauroid reptiles. *Am J Sc* (3) 19: 83-87, il (1880)

**80b** the limbs of *Sauranodon*, with notice of a new species. *Am J Sc* (3) 19: 169-171, il, 491 (1880)

**80c** Principal characters of American Jurassic dinosaurs, Pt. III. *Am J Sc* (3) 19: 253-259 (1880)

**80d** The sternum in dinosaurian reptiles. *Am J Sc* (3) 19: 395-396, il (1880)

**80e** Notice of Jurassic mammals representing two new orders. *Am J Sc* (3) 20: 235-239, il (1880)

**80f** List of genera established by Professor O. C. Marsh, 1862-1879. 12 pp, n p, n d [New Haven 1880?] [priv pub]

**81** Principal characters of American Jurassic dinosaurs, IV. *Am J Sc* (3) 21: 167-170 (1881)

**81a** A new order of extinct Jurassic reptiles (Coeluria). *Am J Sc* (3) 21: 339-340, il (1881)

**81b** Discovery of a fossil bird in the Jurassic of Wyoming. *Am J Sc* (3) 21: 341-342 (1881) *An Mag N H* (5) 7: 488-489 (1881)

**81c** Note on American pterodactyls. *Am J Sc* (3) 21: 342-343 (1881)

**81d** Principal characters of American Jurassic dinosaurs, Pt. V. *Am J Sc* (3) 21: 417-423, il (1881)

**81e** Notice of new Jurassic mammals. *Am J Sc* (3) 21: 511-513 (1881)

**81f** Restoration of *Dinoceras mirabile*. *Am J Sc* (3) 22: 31-32, il (1881)

**81g** Jurassic birds and their allies. *Am J Sc* (3) 22: 337-340 (1881) *An Mag N H* (5) 8: 452-455 (1881) *G Mag* (2) 8: 485-487 (1881) *Science* (ed, Michels) 2: 512-513 (1881) *Pop Sc Mo* 20: 312-315 (1882) *Kosmos, Stuttgart, Jg* 5 Bd 10: 231-234 (1881) *Abst, Nature* 24: 501 (1881)



**Marsh, Othniel Charles—Continued.**

**81h** Classification of the Dinosauria. Am J Sc (3) 23:81-86 (1881) An Mag N H (2) 9:79-84 (1882) Nature 25:244-246 (1882) G Mag (2) 9:80-85 (1882) Kosmos, Stuttgart, Jg 5 Bd 10:382-387 (1881)

**82** The wings of pterodactyls. Am J Sc (3) 23:251-256, il (1882) G Mag (2) 9:205-210, il (1882) Nature 25:531-533, il (1882) Kosmos, Stuttgart, Jg 6 Bd 11:103-108, il (1882)

**83** Birds with teeth. U S G S, An Rp 3:45-88, il (1883)

**83a** Principal characters of American Jurassic dinosaurs; Part VI, Restoration of *Brontosaurus*. Am J Sc (3) 26:81-85, il (1883) G Mag (2) 10:385-388, il (1883)

**83b** On the supposed human footprints recently found in Nevada. Am J Sc (3) 26:139-140, il (1883)

**84** Principal characters of American Jurassic dinosaurs; Part VII, On the Diplodocidae, a new family of the Sauropoda. Am J Sc (3) 27:161-167, il (1884) G Mag (3) 1:99-107, il (1884) Notice by Achille Sux, Soc G Nord, An 11:237-240 (1884)

**84a** A new order of extinct reptiles (Macelognatha). Am J Sc (3) 27:341, il (1884)

**84b** Principal characters of American Jurassic dinosaurs; Part VIII, The order Theropoda. Am J Sc (3) 27:329-340, il (1884) G Mag (3) 1:252-262, il (1884) Kosmos, Stuttgart, 15 (1884, 2):357-365 (1884) *Abst*, Science 3:542-544, il (1884)

**84c** Principal characters of American Cretaceous pterodactyls; Part I, The skull of *Pteranodon*. Am J Sc (3) 27:423-426, il (1884) G Mag (3) 1:345-348, il (1884)

**84d** On the united metatarsal bones of *Ceratosaurus*. Am J Sc (3) 28:161-162, il (1884)

**84e** On the classification and affinities of dinosaurian reptiles (*abst*). Brit As, Rp 54:763-766 (1885) Nature 3:68-69 (1884) Science 4:261 (1884)

**85** The gigantic mammals of the order Dinocerata. U S G S, An Rp 5:243-302, il (1885)

**85a** Names of extinct reptiles. Am J Sc (3) 29:169 (1885)

**85b** On the size of the brain in extinct animals (*abst*). Brit As, Rp 55:1065 (1886) Nature 32:562 (1885) Science 6:360 (1885)

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**87** American Jurassic mammals. Am J Sc (3) 33:327-348, il (1887) G Mag (3) 4:241-247, 289-299, il (1887) *Abst*, Brit As, Rp 54:734-736 (1885)

**Marsh, Othniel Charles—Continued.**

**87a** Notice of new fossil mammals. Am J Sc (3) 34:323-331, il (1887)

**87b** Principal characters of American Jurassic dinosaurs; Part IX, The skull and dermal armor of *Stegosaurus*. Am J Sc (3) 34:413-417, il (1887) G Mag (3) 5:11-15, il (1888)

**88** Notice of a new genus of Sauropoda and other new dinosaurs from the Potomac formation. Am J Sc (3) 35:89-94, il (1888)

**88a** Notice of new fossil sirenian, from California. Am J Sc (3) 35:94-96, il (1888)

**88b** A new family of horned Dinosauria, from the Cretaceous. Am J Sc (3) 36:477-478, il (1888)

**89** Restoration of *Brontops robustus*, from the Miocene of America (*abst*). Brit As, Rp 58:706-707 (1889) Am J Sc (3) 37:163-165, il (1889) G Mag (3) 6:99-101, il (1889)

**89a** Comparison of the principal forms of the Dinosauria of Europe and America. G Mag (3) 6:204-210 (1889) Am J Sc (3) 37:323-331 (1889)

**89b** Notice of new American Dinosauria. Am J Sc (3) 37:331-336, il (1889)

**89c** Discovery of Cretaceous Mammalia. Am J Sc (3) 38:81-92, 177-180, il (1889)

**89d** Notice of gigantic horned Dinosauria from the Cretaceous. Am J Sc (3) 38:173-176, il (1889)

**89e** The skull of the gigantic Ceratopsidae. Am J Sc (3) 38:501-506, il (1889) G Mag (3) 7:1-5, il (1890)

**90** Description of new dinosaurian reptiles. Am J Sc (3) 39:81-86, il (1890)

**90a** Distinctive characters of the order Hallopoda. Am J Sc (3) 39:415-417, il (1890)

**90b** Additional characters of the Ceratopsidae, with notice of new Cretaceous dinosaurs. Am J Sc (3) 39:418-426, il (1890)

**90c** Notice of new Tertiary mammals. Am J Sc (3) 39:523-525 (1890)

**90d** Notice of some extinct Testudinata. Am J Sc (3) 40:177-179, il (1890)

**90e** Additional genera established by Professor O. C. Marsh, 1880-1889. 5 pp, New Haven 1890 [not seen]

**91** A horned artiodactyle (*Protoceras celer*) from the Miocene. Am J Sc (3) 41:81-82 (1891)

**91a** The gigantic Ceratopsidae, or horned dinosaurs, of North America. Am J Sc (3) 41:167-178, il (1891) G Mag (3) 8:193-199, 241-248, il (1891) *Abst*, Brit As, Rp 60:793-795 (1891)

**91b** Restoration of *Triceratops*. Am J Sc (3) 41:339-342, il (1891) G Mag (3) 8:248-250, il (1891)

**91c** Restoration of *Stegosaurus*. Am J Sc (3) 42:179-181, il (1891) G Mag (3) 8:385-387, il (1891)



**Marsh, Othniel Charles—Continued.**

**91d** Notice of new vertebrate fossils. *Am J Sc* (3) 42:265-269 (1891)

**91e** Geological horizons as determined by vertebrate fossils. *Am J Sc* (3) 42:336-338 (1891) *Int G Cong, V, Washington* 1891, C R:156-159 (1893)

**91f** Notes on Mesozoic Mammalia. *Ac N Sc Phila, Pr* 1891:237-241 (1891) *Am Nat* 25:611-616 (1891)

**91g** On the Cretaceous mammals of North America (*abst.*). *Brit As, Rp* 60:853-854 (1891)

**92** The skull of *Torosaurus*. *Am J Sc* (3) 43:81-84, il (1892)

**92a** Discovery of Cretaceous Mammalia, Pt. 3. *Am J Sc* (3) 43:249-262, il (1892)

**92b** Recent polydactyle horses. *Am J Sc* (3) 43:339-355, il (1892)

**92c** A new order of extinct Eocene mammals (Mesodactyla). *Am J Sc* (3) 43:445-449, il (1892)

**92d** Notice of new reptiles from the Laramie formation. *Am J Sc* (3) 43:449-453, il (1892)

**92e** Notes on Triassic Dinosauria. *Am J Sc* (3) 43:543-546, il (1892)

**92f** Notes on Mesozoic vertebrate fossils. *Am J Sc* (3) 44:171-176, il (1892)

**92g** Restorations of *Claosaurus* and *Ceratosaurus*. *Am J Sc* (3) 44:343-349, il (1892) *G Mag* (3) 10:150-157, il (1893) *Sc Am Sup* 34:14068-14069, il (1892)

**92h** Restoration of *Mastodon americanus* Cuvier. *Am J Sc* (3) 44:350, il (1892) *G Mag* (3) 10:164, il (1893) *Sc Am Sup* 34:14085, il (1892)

**93** A new Cretaceous bird allied to *Hesperornis*. *Am J Sc* (3) 45:81-82, il (1893)

**93a** The skull and brain of *Claosaurus*. *Am J Sc* (3) 45:83-86, il (1893)

**93b** Restoration of *Anchisaurus*. *Am J Sc* (3) 45:169-170, il (1893) *G Mag* (3) 10:151-152, il (1893)

**93c** Restoration of *Coryphodon*. *Am J Sc* (3) 46:321-326, il (1893) *G Mag* (3) 10:481-487, il (1893)

**93d** Description of Miocene Mammalia. *Am J Sc* (3) 46:407-412, il (1893)

**93e** Some recent restorations of dinosaurs. *Nature* 48:437-438 (1893)

**94** Restoration of *Camptosaurus*. *Am J Sc* (3) 47:245-246, il (1894) *G Mag* (4) 1:193-195, il (1894) *Sc Am Sup* 37:15209-15210, il (1894)

**94a** Restoration of *Elotherium*. *Am J Sc* (3) 47:407-408, il (1894) *G Mag* (4) 1:294-295, il (1894)

**94b** A new Miocene mammal. *Am J Sc* (3) 47:409, il (1894)

**94c** Footprints of vertebrates in the Coal Measures of Kansas. *Am J Sc* (3) 48:81-84, il (1894) *G Mag* (4) 1:337-339, il (1894) *Sc Am Sup* 38:15491-15492, il (1894)

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**94d** The typical Ornithopoda of the American Jurassic. *Am J Sc* (3) 48:85-90, il (1894)

**94e** Eastern division of the *Miohippus* beds, with notes on some of the characteristic fossils. *Am J Sc* (3) 48:91-94, il (1894)

**94f** Miocene artiodactyls from the eastern *Miohippus* beds. *Am J Sc* (3) 48:175-178, il (1894)

**94g** Description of Tertiary artiodactyls. *Am J Sc* (3) 48:259-274, il (1894) *Rv*, by E. D. Cope, *Am Nat* 28:867-869 (1894)

**94h** A gigantic bird from the Eocene of New Jersey. *Am J Sc* (3) 48:344, il (1894)

**94i** A new Miocene tapir. *Am J Sc* (3) 48:348 (1894)

**95** The Reptilia of the *Baptanodon* beds. *Am J Sc* (3) 50:405-406, il (1895)

**95a** On the affinities and classification of the dinosaurian reptiles. *Am J Sc* (3) 50:483-498, il (1895) *Int Zool Cong, 3d*, C R:196-211, il (1896) *G Mag* (4) 3:388-400 (1896)

**95b** Restorations of extinct animals, Plate I. [New Haven 1895] [not seen]

**95c** Restorations of dinosaurian reptiles, Plate II. [New Haven 1895] [not seen]

**96** The dinosaurs of North America. *U S G S, An Rp* 16 pt 1:133-414, il (1896) *Extract*, *Sc Am Sup* 43:17828-17829, il (1897)

**96a** Vertebrate fossils [of the Denver Basin, Colo.]. *U S G S, Mon* 27:473-550, il (1896)

**96b** A new belodont reptile (*Stegomus*) from the Connecticut River sandstone. *Am J Sc* (4) 2:59-62, il (1896)

**96c** The geology of Block Island [R. I.]. *Am J Sc* (4) 2:295-298, 375-377 (1896)

**96d** Amphibian footprints from the Devonian. *Am J Sc* (4) 2:374-375, il (1896)

**96e** The Jurassic formation on the Atlantic coast. *Am J Sc* (4) 2:433-477 (1896) *Science n s* 4:805-816 (1896)

**97** The Stylinodontia, a suborder of Eocene edentates. *Am J Sc* (4) 3:137-146, il (1897)

**97a** The affinities of *Hesperornis*. *Am J Sc* (4) 3:347-348 (1897) *G Mag* (4) 5:38-39 (1898)

**97b** Principal characters of the Protoceratidae. *Am J Sc* (4) 4:165-176, il (1897)

**97c** The skull of *Protoceras*. *G Mag* (4) 4:433-439, il (1897)

**98** New species of Ceratopsia. *Am J Sc* (4) 6:92 (1898)

**98a** The Jurassic formation on the Atlantic coast. *Am J Sc* (4) 6:105-115 (1898) *Science n s* 8:145-154 (1898)

**98b** Cycad horizons in the Rocky Mountain region. *Am J Sc* (4) 6:197 (1898) *Science n s* 8:153-154 (1898)



**Marsh, Othniel Charles—Continued.**

**98c** The value of type specimens and importance of their preservation. *Am J Sc* (4) 6:401-405 (1898) *G Mag* (4) 5:548-552 (1898)

**98d** The origin of mammals. *Am J Sc* (4) 6:406-409 (1898) *Science n s* 8:953-955 (1898)

**98e** The comparative value of different kinds of fossils in determining geological age. *G Mag* (4) 5:565-568 (1898) *Am J Sc* (4) 6:483-487 (1898)

**98f** On the families of sauropodous Dinosauria (*abst.*). *Am J Sc* (4) 6:487-488 (1898) *Brit As, Rp* 68:909-910 (1898) *G Mag* (4) 6:157-158 (1899)

**98g** List of scientific publications of Othniel Charles Marsh... 1861-1897. 53 pp, n p (1882-98)

**98h** The vertebrate paleontology of the U. S. Geological Survey and National Museum. 12 pp [New Haven] 1898 [not seen]

**98i** Vertebrate fossils collected for the U. S. Geological Survey, 1882-1892. 4 pp [New Haven 1898] [not seen]

**99** Footprints of Jurassic dinosaurs. *Am J Sc* (4) 7:227-232, il (1899)

**99a** Note on a Bridger Eocene carnivore. *Am J Sc* (4) 7:397 (1899)

**99b** The comparative value of different kinds of fossils in determining geological age. *Brit As, Rp* 68:869-872 (1899)

**99c** The origin of mammals. *Int Cong Zool*, 4th, *Pr*:71-74 (1899) *G Mag* (4) 6:13-16 (1899)

**99d** The value of type specimens and importance of their preservation. *Int Cong Zool*, 4th, *Pr*:158-162 (1899)

**07** (with **Hatcher, J. B.**) The Cera-topsia. *U S G S, Mon* 49:300 pp, il (1907)

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**92** Pyrite incrustations of the Cretaceous formations of Middlesex Co., N J. *Science* 19:151 (1892)

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**18** Gold-bearing district of southeastern Manitoba. *Can G S, Sum Rp* 1917 pt D:17-21 (1918)

**18a** Star Lake area, Manitoba. *Can G S, Sum Rp* 1917 pt D:21-22 (1918)

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**92** Report on a deposit of marl and peat in the town of New Baltimore [Greene Co., N. Y.]. *N Y St Mus, An Rp* 45:46-52 (1892)

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**89** (with **Kemp, J. F.**) On certain camptonite dikes near Whitehall, Washington Co., N. Y. *Am G* 4:97-102 (1889)

**90** Triassic traps of Nova Scotia... *Am G* 5:140-145 (1890)

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**91** (with **Kemp, J. F.**) The trap dikes in the Lake Champlain valley and the neighboring Adirondacks, N Y *Ac Sc, Tr* 11:13-23 (1891)

**93** (with **Kemp, J. F.**) The trap dikes of the Lake Champlain region. *U S G S, B* 107:62 pp, map (1893)

**94** (and **Kindle, E. M.**) Geological literature of Indiana (stratigraphic and economic). *Ind Ac Sc, Pr* 1893:156-191 (1894)

**95** Camptonite dikes near Danby-borough, Vt. *Am G* 15:368-371 (1895)

**95a** Camptonites and other intrusives of Lake Memphremagog [Canada]. *Am G* 16:25-39 (1895)

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**04** A preliminary report on a portion of the serpentine belt of Lamoille and Orleans cos. Vt, *St G, Rp* 4:86-102 (1904)

**05** Petrography of the amphibolite, serpentine, and associated asbestos deposits of Belvidere Mountain, Vt. *G Soc Am, B* 16:419-446, maps (1905)

**05a** The serpentine and associated asbestos minerals of Belvidere Mountain, Vt. (*abst.*). *Science n s* 21:426 (1905) *Am G* 35:194-195 (1905) *N Y Ac Sc, An* 17:573-574 (1907)

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**05** Scientific exploration of caves. *Int Geog Cong, VIII, Rp*:165-172 (1905)

**14** Explications sur Mammoth Cave, 1912. *Spelunca* 9:241-302 (1914)

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**08a** Mining and smelting on Shasta copper belt [Cal.]. *M World* 29:309-311 (1908)

**09** San Francisco district, Ariz. *M World* 31:368 (1909)

**09a** The Alleghany mining district, Cal. *M World* 31:589-592 (1909)

**09b** Gold mining at Grass Valley, Cal. *M World* 31:823-825 (1909)

**10** The east side of the Shasta copper belt [Cal.]. *M World* 32:99-100 (1910)

**10a** The Copper Creek mining district, Ariz. *M World* 32:515-516 (1910)

**10b** The Bannock mining district, Nev. *M World* 32:835 (1910)

**10c** Nevada City gold mining district, Cal. *M World* 33:567-568 (1910) *M Science* 63:160-163 (1911)

**10d** Gem mining in California a profitable industry. *M World* 33:1227-1228 (1910)



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**10e** The Lander mining district, Nev. *M Science* 61:508-511 (1910)

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**12** Fauna from the type locality of the Monterey series in California. *Cal Univ, Dp G, B* 7:143-150 (1912)

**13** Geological section of a portion of the coast ranges in the eastern part of San Luis Obispo Co., Cal. (*abst.*). *G Soc Am, B* 24:93 (1913)

**13a** Faunal relations of the upper Neocene in the Sargent oil fields, Cal. (*abst.*, with discussion by A. C. Lawson, B. L. Clark, F. M. Anderson, and J. C. Merriam). *G Soc Am, B* 24:129 (1913)

**14** Descriptions of new species of fossil Mollusca from the later marine Neocene of California. *Cal Univ, Dp G, B* 8:181-202, il ((1914)

**14a** (with **Anderson, F. M.**) Neocene record in the Temblor Basin, Cal., and Neocene deposits of the San Juan district, San Luis Obispo Co., Cal. *Cal Ac Sc, Pr* (4) 4:15-112, il, maps (1914)

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**64** Minerals and the methods of studying them; a treatise for beginners prepared for the benefit of the Metropolitan Fair [descriptive catalogue, by R. W. Raymond: 12-19]. 19 pp, N Y 1864

**71** On mica schist filled with minute crystals of kyanite and on crystalline limestone from New York City. *Lyc N H N Y, Pr* 1:222-223 (1871)

**71a** The coal of Orange Co., N. Y. *Lyc N H N Y, Pr* 1:259-260 (1871)

**71b** A clay containing recent shells from Lewes, Del. *Lyc N H N Y, Pr* 1:289-290 (1871)

**73** Primordial fossils from Troy, N. Y. *Lyc N H N Y, Pr* (2) [no 1]:10-11 (1873)

**74** [Remarks on serpentines of the eastern United States.] *Lyc N H N Y, Pr* (2) no 3:66-67 (1874)

**74a** [On the distribution of Mesozoic rocks in the middle Atlantic States and the Cretaceous of Long Island, N. Y.] *Lyc N H N Y, Pr* (2) no 4:126-127 (1874)

**74b** On the rhombic crystallization of graphite (*abst.*). *Lyc N H N Y, Pr* (2) no 4:138, 145-146 (1874)

**74c** [On bones from the Miocene marl of Mathews Court House, Va.] *Lyc N H N Y, Pr* (2) no 4:139-140 (1874)

**75** Note upon the earthquake of December, 1874 [New York]. *Am J Sc* (3) 10:191-194 (1875)

**76** On the rocks of New York Island and their relation to the geology of the middle [Atlantic] States (*abst.*). *Liverpool G Soc, Pr* 3:118-120 (1876)

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**76a** An account of the occurrence of Silurian fossils in the drift of Long Island (*abst.*). *Am Nat* 10:191 (1876)

**82** A new eurypterid (*Stylonurus excelsior*) from the Catskill group. *N Y Ac Sc, Tr* 2:8 (1882)

**85** The Trenton, N. J., gravels and their contained implements, as bearing on the antiquity of man (*abst.*). *N Y Ac Sc, Tr* 3:7-12 (1885)

**85a** [On the characters of the tide-water gneiss.] *N Y Ac Sc, Tr* 5:19-20 (1885)

**87** The "field of rocks" [near Philadelphia, Pa.] *N Y Ac Sc, Tr* 7:16-18 (1887)

**88** Geological map of New York City and vicinity. Scale 1 mile to three fourths inch. N Y 1888

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**12** [On schernikite and winchellite, two new varieties of minerals] (*abst.*). *N Y Ac Sc, An* 21:189-190 (1912)

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**98** An occurrence of dunite in western Massachusetts. *Am J Sc* (4) 6:244-248, map (1898)

**01** (with **Clark, W. B.**) The Eocene deposits of Maryland. *Md G S, Eocene*: 21-92, map (1901)

**02** The geology of Garrett County; the mineral resources of Garrett County. *Md G S, Garrett Co*:55-182, 183-231 (1902)



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**02a** (with **Clark, W. B.**) Correlation of the Coal Measures of Maryland. *G Soc Am*, B 13:215-232, map (1902) *Abst*, *Science n s* 15:84 (1902)

**02b** (with **Clark, W. B.**) The correlation of the Coal Measures in Maryland (*abst*). *Science n s* 15:905-906 (1902)

**04** Petroleum fields of Alaska and the Bering River coal fields. *U S G S*, B 225:365-382 (1904)

**04a** [The oil fields of Alaska (*abst*).] *Science n s* 19:733 (1904)

**05** Geology of the Maryland coal district. *Md G S* 5:241-290 (1905)

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**05d** Notes on the petroleum fields of Alaska. *U S G S*, B 259:128-139 (1905)

**05e** Bering River coal field. *U S G S*, B 259:140-150 (1905)

**05f** Water resources of the Accident and Grantsville quadrangles, Md. *U S G S*, W-S P 110:168-170 (1905)

**05g** Water resources of the Frostburg and Flintstone quadrangles, Md. and W. Va. *U S G S*, W-S P 110:171-173 (1905)

**05h** (with **Clark, W. B.**) Correlation of the formations and members [of the Coal Measures of Maryland]. *Md G S* 5:291-315, map (1905)

**05i** (with **Clark, W. B.**, and **Rutledge, J. J.**) Distribution and character of Maryland coal beds. *Md G S* 5:317-512, maps (1905)

**05j** (with **Stanton, T. W.**) Mesozoic section on Cook Inlet and Alaska Peninsula. *G Soc Am*, B 16:391-410, map (1905)

**05k** (with **Stose, G. W.**) Water resources of the Pawpaw and Hancock quadrangles, W. Va., Md., and Pa. *U S G S*, W-S P 145:58-63 (1905)

**06** Distribution and character of the Bering River coal. *U S G S*, B 284:65-77 (1906)

**06a** Preliminary statement of the Matanuska coal field. *U S G S*, B 284:88-100 (1906)

**06b** A reconnaissance of the Matanuska coal field, Alaska, in 1905. *U S G S*, B 289:36 pp, map (1906)

**07** The Alaska coal fields. *U S G S*, B 314:40-46 (1907)

**07a** Petroleum at Controller Bay [Alaska]. *U S G S*, B 314:89-103 (1907)

**08** Geology and mineral resources of the Controller Bay region, Alaska. *U S G S*, B 335:141 pp, map (1908)

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**08a** Description of the Accident and Grantsville quadrangles, Md.-Pa.-W. Va. *U S G S*, *G Atlas*, Accident-Grantsville fol (no 160):14 pp, maps (1908)

**09** The Niobrara limestone of northern Colorado as a possible source of Portland cement material. *U S G S*, B 380:314-326 (1909)

**10** Coal of the Denver Basin, Col. *U S G S*, B 381:297-306 (1910)

**10a** (and **Katz, F. J.**) Outline of the geology and mineral resources of the Iliamna and Clark lakes region. *U S G S*, B 442:179-200, map (1910)

**11** Preliminary report on a detailed survey of part of the Matanuska coal fields. *U S G S*, B 480:128-138, maps (1911)

**12** Mesozoic stratigraphy of Alaska (*abst*). *G Soc Am*, B 23:724-725 (1912)

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**08a** (with **Johnson, D. W.**) The relation of geology to topography. *In Principles and practice of surveying*, by Charles B. Breed and George L. Hosmer, v 2:246-266, N Y 1908

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**09a** Débris tracks on the domes of the Yosemite region (*abst*). *Science n s* 30: 61-62 (1909)

**10** The half dome of the Yosemite Valley (*abst*). *Science n s* 31: 519 (1910)

**10a** The cliff sculpture of the Yosemite Valley (*abst*). *Science n s* 32: 186 (1910) (with discussion) *G Soc Am, B* 21: 759-760 (1910)

**10b** Little studies in the Yosemite Valley; 1, The extinct Eagle Peak Falls; 2, The striped rock floor of the Little Yosemite Valley; 3, The winds of the Yosemite Valley; 4, El Capitan moraine and ancient Lake Yosemite. *Sierra Club B* 7: 222-224 (1910); 8: 3-9, 89-95 (1911); 9: 7-15 (1913)

**11** Lessons of the Little Yosemite Valley (*abst*). *G Soc Am, B* 22: 730-731 (1911)

**12** Sketch of Yosemite National Park and an account of the origin of the Yosemite and Hetch Hetchy valleys. 47 pp, *U S Dp Interior, Office of the Secretary, Washington* 1912

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**13** Level of maximum precipitation as a factor in the glaciation of Mount Rainier (*abst*). *G Soc Am, B* 24: 701-702 (1913)

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**14c** Concave exfoliation (*abst*). *Wash Ac Sc, J* 4: 295 (1914)

**14d** Moraine Dome and the moraines of the Little Yosemite Valley (*abst*). *Wash Ac Sc, J* 4: 295-296 (1914)

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**15b** Studies on glacial cirques in the Sierra Nevada (*abst* and discussion). *Wash Ac Sc, J* 5: 254-256 (1915)

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**16a** The Mount Rainier National Park. [Text on back of topographic map], Washington, Mt. Rainier National Park, *U S G S*, 1916

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**18** The country around Camp McClellan. [Text on back of topographic map], Alabama, Anniston quadrangle, Camp McClellan, *U S G S*, 1918

**18a** The country around Camp Gordon [near Atlanta, Ga.]. [Text on back of topographic map], Georgia, Camp Gordon and vicinity, *U S G S*, 1918

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**63** Observations on the geology of St. John Co., N. B. (with note by J. W. Dawson). *Can Nat* 8: 241-259, map (1863)

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**83b** Lacustrine formation of Torryburn Valley. N H Soc N B, B [1] no 2: 3-9 (1883)

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**85b** A new genus of Cambrian pteropods. Can Rec Sc 1: 149-152, il (1885)

**85c** On the probable occurrence of the great Welsh *Paradoxides*, *P. davidis*, in America. Am J Sc (3) 30: 72-73 (1885)

**85d** Notice of a new genus of pteropods from the St. John group (Cambrian). Am J Sc (3) 30: 293-294, il (1885)

**85e** Note on the genus *Stenotheca*. G Mag (3) 2: 425-426 (1885)

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**86a** The structural features of *Discina acadica* Hartt of the St. John group. Can Rec Sc 2: 9-11, il (1886)

**86b** Discovery of a pteraspidian fish in the Silurian rocks of New Brunswick. Can Rec Sc 2: 251-252, il (1886)

**Matthew, George Frederick—Continued.**

**86c** Synopsis of the fauna in Division I of the St. John group, with preliminary notes on the higher faunas of the same group. N H Soc N B, B [1] no 5: 25-31 (1886)

**86d** Pteropod of the St. John group. Am J Sc (3) 31: 72 (1886)

**86e** Note on the occurrence of *Olenellus? kjerulfi* in America. Am J Sc (3) 31: 472-473 (1886)

**87** On the Cambrian faunas of Cape Breton and Newfoundland. R Soc Can, Pr Tr 4, iv: 147-157, il (1887) *Abst*, Can Rec Sc 2: 255-258 (1886)

**87a** Additional note on the pteraspidian fish found in New Brunswick. Can Rec Sc 2: 323-326, il (1887)

**87b** Illustrations of the fauna of the St. John group: No. 4, On the smaller eyed trilobites of Division I, with a few remarks on the species of the higher divisions of the group. Can Rec Sc 2: 357-363, 432 (1887)

**87c** Illustrations of the fauna of the St. John group; No. 5, On the great Acadian trilobite, *Paradoxides regina* (*abst*). Can Rec Sc 2: 434 (1887)

**87d** A preliminary notice of a new genus of Silurian fishes [*Diplaspis*]. N H Soc N B, B [2] no 5: 69-73, il (1887)

**87e** The great Acadian *Paradoxides*. Am J Sc (3) 33: 388-390 (1887)

**87f** On the kin of *Paradoxides* (*Olenellus?*) *kjerulfi*. Am J Sc (3) 33: 390-392 (1887)

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**88b** On the classification of the Cambrian rocks in Acadia. Can Rec Sc 3: 71-81, 303-315, 371-372, il (1888-9)

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**89** How is the Cambrian divided? A plea for the classification of Salter and Hicks. Am G 4: 139-148 (1889) Can Rec Sc 3: 475-485 (1889)

**89a** On the occurrence of *Leptoplastus* in the Acadian Cambrian rocks. Can Rec Sc 3: 485-489, il (1889)

**89b** On some remarkable organisms of the Silurian and Devonian rocks in southern New Brunswick. R Soc Can, Pr Tr 6, iv: 49-62, il (1889) *Abst*, Can Rec Sc 3: 161-162 (1888)

**89c** Second note on *Stenotheca*. G Mag (3) 6: 210-211 (1889)

**89d** Sur le développement des premiers trilobites. Soc R Malac Belgique, An 23: 351-362, il (1889)



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**90** On Cambrian organisms in Acadia. R Soc Can, Pr Tr 7, iv: 135-162, il (1890) *Abst*, Can Rec Sc 3: 383-387 1889

**90a** Charles Frederick Hartt. Can Rec Sc 4: 111-130, port (1890) N H Soc N B, B [2] no 9: 1-24, port (1890)

**90b** *Eozoon* and other low organisms in Laurentian rocks at St. John. N H Soc N B, B [2] no 9: 36-41, il (1890)

**90c** On the occurrence of sponges in Laurentian rocks at St. John, N. B. N H Soc N B, B [2] no 9: 42-45, il (1890)

**90d** Tracks of organic origin in rocks of the Animikie group. Am J Sc (3) 39: 145-147 (1890)

**91** Illustrations of the fauna of the St. John group, No. V. R Soc Can, Pr Tr 8, iv: 123-166, il (1891)

**91a** On some causes which may have influenced the spread of the Cambrian faunas. Can Rec Sc 4: 255-269 (1891)

**91b** On a new horizon in the St. John group. Can Rec Sc 4: 339-343 (1891)

**91c** Note on *Leptoplastus*. Can Rec Sc 4: 461-462, il (1891)

**91d** [On the horizon of *Diplaspis acadica*.] Am G 8: 61-62 (1891)

**91e** Notes on Cambrian faunas. Am G 8: 287-291 (1891)

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**92a** List of the fossils found in the Cambrian rocks in and near St. John. N H Soc N B, B [2] no 10: xi-xr:ii (1892)

**92b** *Protolenus*, a new genus of Cambrian trilobites. N H Soc N B, B [2] no 10: 34-37, il (1892)

**92c** Are the eozoneal limestones at St. John, N. B., pre-Cambrian? Am G 9: 212-214 (1892)

**93** On the diffusion and sequence of the Cambrian faunas. R Soc Can, Pr Tr 10, iv: 3-16 (1893)

**93a** Illustrations of the fauna of the St. John group, No. VII. R Soc Can, Pr Tr 10, iv: 95-109, il (1893)

**93b** Notes on Cambrian faunas; development of the fauna of band b in the Acadian division (*Div. 1*) of the St. John group. Can Rec Sc 5: 247-258, il (1893)

**93c** *Trematobolus*. Can Rec Sc 5: 276-279, il (1893)

**93d** Is the fauna called "Primordial" the most ancient fauna? Can Rec Sc 5: 347-350 (1893)

**93e** The climate of Acadia in the earliest times. N H Soc N B, B [3] no 11: 3-18 (1893)

**93f** The St. John group. Am G 12: 340-341 (1893)

**94** Illustrations of the fauna of the St. John group, No. VIII. R Soc Can, Pr Tr 11, iv: 85-129, il (1894)

**94a** Ancient myriapods. Can Rec Sc 6: 93-99 (1894)

**Matthew, George Frederick—Continued.**

**94b** Postglacial faults at St. John, N. B. Am J Sc (3) 48: 501-503 (1894)

**94c** Movements of the earth's crust at St. John, N. B., in postglacial times. N H Soc N B, B [3] no 12: 34-42 (1894)

**94d** The outlets of the St. John River. N H Soc N B, B [3] no 12: 43-62 (1894)

**94e** Organic remains of the Little River group (*abst*). Am G 14: 67 (1894)

**95** On the organic remains of the Little River group, No. II. R Soc Can, Pr Tr 12, iv: 89-100, il (1895)

**95a** On the organic remains of the Little River group, No. III. R Soc Can, Pr Tr 12, iv: 101-111, il (1895)

**95b** Traces of the Ordovician system on the Atlantic coast. R Soc Can, Pr Tr (2) 1, iv: 253-271, il (1895)

**95c** Organic remains of the Little River group, No. IV. R Soc Can, Pr Tr (2) 1, iv: 273-279, il (1895)

**95d** Report on the summer camp at French Lake [N. B.]. N H Soc N B, B [3] no 13: 84-88 (1895)

**95e** Report on the summer camp at Lepreau Basin [N. B.]. N H Soc N B, B [3] no 13: 88-93 (1895)

**95f** [Cambrian Brachiopoda, St. John]. N H Soc N B, B [3] no 13: 94-95, il (1895)

**95g** Early Protozoa. Am G 15: 146-153 (1895)

**95h** The *Protolenus* fauna. N Y Ac Sc, Tr 14: 101-153, il (1895) *Abst*, Science n s 1: 452-453 (1895)

**95i** Two new Cambrian graptolites with notes on other species of Graptolitidae of that age. N Y Ac Sc, Tr 14: 262-273, il (1895)

**96** On the occurrence of cirripedes in the Cambrian rocks of North America. N Y Ac Sc, Tr 15: 144-146, il (1896)

**96a** Faunas of the *Paradoxides* beds in eastern North America. N Y Ac Sc, Tr 15: 192-247, il (1896)

**96b** Notes on Cambrian faunas; the genus *Microdiscus*. Am G 18: 28-31 (1896)

**96c** Some features of the early Cambrian faunas (*abst*). Brit As, Rp 66: 785-787 (1896)

**97** Studies of Cambrian faunas. R Soc Can, Pr Tr (2) 3, iv: 165-203, il (1897)

**97a** Abraham Gesner; a review of his scientific work. N H Soc N B, B [3] no 15: 3-48, map (1897)

**97b** Description of an extinct Paleozoic insect [*Geracus tubifer*], and a review of the fauna with which it occurs. N H Soc N B, B [3] no 15: 49-60, il (1897)

**97c** What is the *Olenellus* fauna? Am G 19: 396-407 (1897)

**97d** The oldest *Siphonotreta*. G Mag (4) 4: 68-71, il (1897)



**Matthew, George Frederick**—Continued.

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**98a** Recent discoveries in the St. John group, No. 2. *N H Soc N B, B no* 16 (4 pt 1):32-43, il, map (1898)

**98b** The oldest Paleozoic fauna (*abst*). *Am As, Pr* 47:301-302 (1898) *Am G* 22:262 (1898) *Science n s* 8:503-504 (1898)

**98c** Some characteristic genera of the Cambrian (*abst*). *Brit As, Rp* 67:657-658 (1898) *G Mag* (4) 5:82-83 (1898)

**99** Studies on Cambrian faunas, No. 3: Upper Cambrian faunas of Mount Stephen, B. C.—the trilobites and worms. *R Soc Can, Pr Tr* (2) 5, iv:39-66, il (1899)

**99a** Studies on Cambrian faunas, No. 4: Fragments of the Cambrian faunas of Newfoundland. *R Soc Can, Pr Tr* (2) 5, iv:67-95, il (1899)

**99b** The Etcheminian fauna of Smith Sound, Newfoundland. *R Soc Can, Pr Tr* (2) 5, iv:97-119, il (1899)

**99c** A new Cambrian trilobite [*Metadoxides magnificus*]. *N H Soc N B, B no* 17 (4 pt 2):137-142, il (1899)

**99d** (and Kain, S. W.) On artesian and fissure wells in New Brunswick. *N H Soc N B, B no* 17 (4 pt 2):143-152 (1899)

**99e** Preliminary notice of the Etcheminian fauna of Newfoundland. *N H Soc N B, B no* 18 (4 pt 3):189-196, il (1899)

**99f** Preliminary notice of the Etcheminian fauna of Cape Breton. *N H Soc N B, B no* 18 (4 pt 3):198-208, il (1899)

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**00a** A forest fire at St. John [N. B.] about 2000 years ago. *Can Rec Sc* 8:213-218 (1900)

**00b** *Oldhamia*. *Can Rec Sc* 8:228-232, il (1900)

**00c** Mr. Walcott's view of the Etcheminian. *Am G* 25:255-258 (1900)

**01** *Acrothyra* and *Hyalithes*—a comparison. *R Soc Can, Pr Tr* (2) 7, iv:93-107, il (1901)

**01a** *Hyalithes gracilis* and related forms from the lower Cambrian of the St. John group. *R Soc Can, Pr Tr* (2) 7, iv:109-111, il (1901)

**01b** A backward step in paleobotany. *R Soc Can, Pr Tr* (2) 7, iv:113-122 (1901) *Abst, Science n s* 13:1019 (1901)

**Matthew, George Frederick**—Continued.

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**01d** *Acrothyra*, a new genus of Etcheminian brachiopods. *N H Soc N B, B no* 19 (4 pt 4) 303-304, il (1901)

**01e** [The Devonian of the Acadian provinces.] *Can Rec Sc* 8:344-345 (1901)

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**01h** *Monocraterion* and *Oldhamia*. *Irish Naturalist* 10:135-136 (1901)

**02** [On Cambrian and Silurian rocks in York Co., N. B.] *Can G S, Sum Rp* 1901 (*An Rp* 14):A 197-201 (1902)

**02a** Cambrian rocks and fossils of Cape Breton. *Can G S, Sum Rp* 1901 (*An Rp* 14):A 223-232 (1902)

**02b** Notes on Cambrian faunas. *R Soc Can, Pr Tr* (2) 8, iv:93-112, il (1902)

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**02e** Stratigraphy vs. paleontology in Nova Scotia. *Science n s* 16:513-514 (1902)

**03** Report on the Cambrian rocks of Cape Breton. *Can G S*:246 pp, il (1903)

**03a** An attempt to classify Paleozoic batrachian footprints. *R Soc Can, Pr Tr* (2) 9, iv:109-121, il (1903)

**03b** New genera of batrachian footprints of the Carboniferous system in eastern Canada. *Can Rec Sc* 9:99-111, il (1903)

**03c** Note in reference to batrachian footprints. *N H Soc N B, B no* 21 (5 pt 1):102 (1903)

**03d** On batrachian and other footprints from the Coal Measures of Joggins, N. S. *N H Soc N B, B no* 21 (5 pt 1):103-108, il (1903)

**03e** "How long ago was America peopled?" *Am G* 32:195-196 (1903)

**04** Note on Oliver's Cave [near St. John, N. B.]. *N H Soc N B, B no* 22 (5 pt 2):171-174 (1904)

**04a** Notes on Cambrian faunas; No 9 [*Protolenus*]. *N H Soc N B, B no* 22 (5 pt 2):246 (1904)

**04b** Note on the genus *Hylopus* of Dawson. *N H Soc N B, B no* 22 (5 pt 2):247-252, il (1904)

**04c** Physical aspect of the Cambrian rocks in eastern Canada, with a catalogue of the organic remains found in them. *N H Soc N B, B no* 22 (5 pt 2):253-278 (1904)



**Matthew, George Frederick—Continued.**

**05** New species and a new genus of batrachian footprints of the Carboniferous system in eastern Canada. *R Soc Can, Pr Tr* (2) 10, iv:77-121, il (1905)

**06** A review of the flora of the Little River group. *R Soc Can, Pr Tr* (2) 12, iv:99-149, il (1906) *Abst, Science n s* 23:972-973 (1906)

**06a** New species and a new genus of Devonian plants. *N H Soc N B, B* 24 (5 pt 4):393-398, il (1906)

**06b** Notes on Cambrian faunas; No. 9, Ostracoda; 10, Trilobita. *N H Soc N B, B* 24 (5 pt 4):406, 475-480 (1906)

**07** A new genus and a new species of Silurian fish. *R Soc Can, Pr Tr* (3) 1, iv:7-11, il (1907)

**07a** On some new species of Silurian and Devonian plants. *R Soc Can, Pr Tr* (3) 1, iv:185-197, il (1907)

**07b** Note on *Archæozoon*. *N H Soc N B, B* 25 (5 pt 5):547-552, il (1907)

**08** The physical evolution of Acadia; Part I, The insular stage, or pre-Devonian development. *N H Soc N B, B* 26 (6 pt 1):3-16, maps (1908)

**08a** Geological cycles in the maritime provinces of Canada. *R Soc Can, Pr Tr* (3) 2, iv:121-143 (1908)

**09** Phosphate deposits of South Carolina and New Brunswick. *N H Soc N B, B* 27 (6 pt 2):121-126 (1909)

**10** Changes of climate in the maritime provinces after the maximum of the latest glaciation. *Int G Cong, XI, Stockholm, Die Veränderungen des Klimas seit dem Maximum der letzten Eiszeit*:377-380 (1910)

**10a** The geological age of the Little River group. *R Soc Can, Pr Tr* (3) 3, iv:67-75, map (1910)

**10b** Revision of the flora of the Little River group, No. II. *R Soc Can, Pr Tr* (3) 3, iv:77-113, il (1910)

**10c** Remarkable forms of the Little River group. *R Soc Can, Pr Tr* (3) 3, iv:115-133, il (1910)

**10d** The oldest Silurian flora [Beaver Harbor, N. B.]. *N H Soc N B, B* 28 (6 pt 3):241-250 (1910) [See also White (D), 11a]

**11** Review of the flora of the Little River group; No. III. *R Soc Can, Pr Tr* (3) 4, iv:3-21, il (1911)

**12** Were there climatic zones in Devonian time? *R Soc Can, Pr Tr* (3) 5, iv:125-153 (1912)

**12a** A new flora in the older Paleozoic rocks of southern New Brunswick. *R Soc Can, Pr Tr* (3) 6, iv:83-99, il (1912)

**12b** The sudden appearance of the Cambrian fauna. *Int G Cong, XI, Stockholm, 1910, C R*:547-559 (1912)

**Matthew, George Frederick—Continued.**

**14** The physics of the Cambrian formation in eastern Canada, and the peculiarities of its faunas. *R Soc Can, Tr* (3) 8, iv:69-85 (1914)

**16** Notes on Cambrian faunas, No. 12. *R Soc Can, Tr* (3) 10, iv:45-54 (1916)

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**67c** Note on a new genus of fossil Crustacea [*Euproops*]. *Am J Sc* (2) 43:394-395 (1867)

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**70d** A preliminary list of fossils collected by Dr. Hayden in Colorado, New Mexico, and California, with brief descriptions of a few of the new species. Am Ph Soc, Pr 11: 425-431 (1870)

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**71a** Preliminary notice of a new species of *Trimerella* from Ohio. Am J Sc (3) 1: 305-306 (1871)

**71b** On some new Silurian [Ordovician] crinoids and shells. Am J Sc (3) 2: 295-299 (1871)

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**71f** Descriptions of new species of fossils from Ohio and other Western States and Territories. Ac N Sc Phila, Pr 1871: 159-184

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**72b** Supplementary note on the genus *Lichenocrinus*. Am J Sc (3) 3: 15-17 (1872) An Mag N H (4) 9: 247-248 (1872)

**72c** Descriptions of two new starfishes and a crinoid from the Cincinnati group of Ohio and Indiana. Am J Sc (3) 3: 257-262 (1872)

**72d** Descriptions of new species of fossils from the Cincinnati group of Ohio. Am J Sc (3) 3: 423-428 (1872)

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**72f** Descriptions of new western Paleozoic fossils, mainly from the Cincinnati group of the Lower Silurian series of Ohio. Ac N Sc Phila, Pr 1871: 308-336 (1872)



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**73** Preliminary paleontological report, consisting of lists and descriptions of fossils, with remarks on the ages of the rocks in which they were found, etc. U S G S Terr (Hayden), An Rp 6:429-518 (1873)

**73a** (and **Worthen, A. H.**) Descriptions of invertebrates from Carboniferous system. Ill G S 5:321-619, il (1873)

**73b** Descriptions of invertebrate fossils of the Silurian and Devonian systems. Ohio G S, 1 pt 2 Paleontology:1-243, il (1873)

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**73d** Spergen Hill fossils identified among specimens from Idaho. Am J Sc (3) 5:383-384 (1873)

**74** *Pleurotomaria taggarti* [Colo.]. U S G Geog S Terr (Hayden), An Rp [7]:231 (1874)

**74a** Notes on some of the fossils figured in the recently-issued fifth volume of the Illinois State geological report. Am J Sc (3) 7:189-193, 369-376, 484-490, 580-584 (1874)

**74b** New genus *Euchondria* Meek. Am J Sc (3) 7:445 (1874)

**74c** On the age of the lignitic formation of the Rocky Mountain region. Am J Sc (3) 8:459-463 (1874)

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**75b** (and **Worthen, A. H.**) Descriptions of invertebrates. Ill G S 6:489-532, il (1875)

**75c** A report on some of the invertebrate fossils of the Waverly group and Coal Measures of Ohio. Ohio G S, Rp 2 pt 2 Paleontology:269-347, il (1875)

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**76b** Descriptions and illustrations of fossils from Vancouver's and Sucia islands and other northwestern localities. U S G Geog S Terr (Hayden), B 2:351-374, il (1876)

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**76c** Note on the new genus *Uintacrinus* Grinnell. U S G Geog S Terr (Hayden), B 2:375-378, il (1876)

**76d** Descriptions of the Cretaceous fossils collected... In Macomb, J. N., Report of the exploring expedition from Santa Fe... in 1859; U S Army, Eng Dp:119-133, il, Wash 1876

**76e** Report on the paleontological collections of the expedition. In Simpson, J. H., Report of explorations across the Great Basin of the Territory of Utah... in 1859:337-373, il, Washington 1876

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**80** Descriptions of new species of fossil plants from Alleghany Co., Va.; with some remarks on the rock seen along the Chesapeake and Ohio Railroad, near the White Sulphur Springs of Greenbrier Co., W. Va. Ph Soc Wash, B 2 App VIII:i-xix, il (1880)

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**10** Old mining camp of Pozos, Guana-juato, Mex. Eng M J 89:961-963 (1910)

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**12a** *Muraenosaurus? reedii* sp. nov. and *Tricleidus? laramiensis* Knight, American Jurassic plesiosaurs. J G 20:344-352, il (1912)

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**11b** (with **Hall, C. W.**) Geology and underground waters of southern Minnesota. *U S G S*, W-S P 256: 406 pp (1911)

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**13** (and **Kelton, F. C.**) Geology and water resources of Sulphur Spring Valley, Ariz. *U S G S*, W-S P 320: 9-213, map (1913)

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**15b** Ground water in Big Smoky Valley, Nev. *U S G S*, W-S P 375: 85-116, map (1915)

**16** Artesian water for irrigation in Little Bitterroot Valley, Mont. *U S G S*, W-S P 400: 9-37, maps (1916)

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**73e** [On quartz pebbles and boulders from Keyport, N. J.] *Lyc N H N Y*, Pr (2) [no 1]: 9-10 (1873)

**73f** The Salina group [Ohio]. *Lyc N H N Y*, Pr (2) [no 1]: 11-12 (1873)

**74** Geology of Ohio; surface geology. *Ohio G S*, Rp 2 pt 1 *Geology*: 1-80, maps (1874)

**74a** The Carboniferous system. *Ohio G S*, Rp 2 pt 1 *Geology*: 81-180 (1874)

**74b** Report on the geology of Erie Co. and the islands; ... of Lorain Co. *Ohio G S*, Rp 2 pt 1 *Geology*: 183-224, map (1874)

**74c** Circles of deposition in American sedimentary rocks. *Am As*, Pr 22 pt 2: 185-196 (1874) *Abst, Can Nat n s* 7: 163-164 (1874); *Lyc N H N Y*, Pr (2) no 4: 122-124 (1874)

**74d** On the parallelism of coal seams. *Am J Sc* (3) 7: 367-369 (1874) *Cin Q J Sc* 1: 267-269 (1874)

**74e** On the lignites and plant beds of western America. *Am J Sc* (3) 7: 399-404 (1874)

**74f** On the so-called land plants from the Lower Silurian of Ohio. *Am J Sc* (3) 8: 110-113, il (1874) *Cin Q J Sc* 1: 335-338 (1874)



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**74i** Coals and lignites of the Western States and Territories. *Lyc N H N Y*, *Pr* (2) [no 2]:9-10 (1874)

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**74k** [On the distribution of copper deposits.] *Lyc N H N Y*, *Pr* (2) [no 2]:16-17 (1874)

**74l** [The history of the class of fishes in the older rocks of North America.] *Lyc N H N Y*, *Pr* (2) [no 2]:25-28 (1874)

**74m** On *Coelacanthus* from the Coal Measures of Linton, Ohio. *Lyc N H N Y*, *Pr* (2) [no 2]:30-32; no 3:76-77 (1874)

**74n** (On the occurrence of chromic iron and serpentine in California). *Lyc N H N Y*, *Pr* (2) no 3:66 (1874)

**74o** [Remarks on the geology of western Texas.] *Lyc N H N Y*, *Pr* (2) no 3:69-70 (1874)

**74p** [On *Dicotyles compressus* from Columbus, Ohio.] *Lyc N H N Y*, *Pr* (2) no 3:77-78 (1874)

**74q** [On the age of lignite flora of the West.] *Lyc N H N Y*, *Pr* (2) no 3:78-79 (1874)

**74r** [On *Castoroides ohioensis* from Nashport, Ohio.] *Lyc N H N Y*, *Pr* (2) no 4:92-93 (1874)

**74s** [On the Lower Cretaceous of Long Island, N. Y.] *Lyc N H N Y*, *Pr* (2) no 4:127 (1874)

**74t** [The Linton coal bed of Ohio and its fauna.] *Lyc N H N Y*, *Pr* (2) no 4:134-135 (1874)

**74u** On the structure and origin of the Great Lakes. *Lyc N H N Y*, *Pr* (2) no 4:136-138 (1874)

**74v** [On *Dinichthys terrelli* from the Huron shale of Lorain Co., Ohio.] *Lyc N H N Y*, *Pr* (2) no 4:149-151 (1874)

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**74y** Analysis of Ohio coals. *Cleveland Ac*, *Pr* 1:80-82 (1874)

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**84b** Description of *Ctenacanthus wrighti*, n. sp. N Y St Mus, An Rp 35:206, il (1884)

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**85a** Notes on the surface geology of the country bordering the Northern Pacific Railroad. Am J Sc (3) 30:337-346 (1885)

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**85e** [On copper in Triassic rocks.] N Y Ac Sc, Tr 3:18-19 (1885)

**85f** The relations of *Dinichthys* as shown by complete crania recently discovered by Mr. Jay Terrell in the Huron shale of Ohio (*abst*). N Y Ac Sc, Tr 3:20 (1885)

**85g** Some peculiar screwlike casts from the sandstones of the Chemung group of New York and Pennsylvania [*Spiraxis*]. N Y Ac Sc, Tr 3:33-34 (1885)

**85h** The erosive power of glacier ice and its influence on the topography of North America (*abst*). N Y Ac Sc, Tr 3:51-52 (1855)

**85i** On the American Trias. N Y Ac Sc, Tr 5:18-19 (1885)

**85j** Description of some gigantic placoderm fishes recently discovered in the Devonian of Ohio. N Y Ac Sc, Tr 5:25-28 (1885)

**85k** Cone-in-cone. G Mag (3) 2:559-560 (1885)

**85l** The salt deposits of New York. Eng M J 39:247 (1885)

**86** Earthquakes. Sch Mines Q 8:1-19 (1886) N Y Ac Sc, Tr 6:18-35 (1887)



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**86b** Description of a species of *Bauhinia* from the Cretaceous clays of New Jersey. *Torrey Bot Club*, B 13:77-78, il (1886)

**86c** [On the Permian in North America]. *Am J Sc* (3) 31:154 (1886)

**86d** North America in the Ice Period. *Pop Sc Mo* 30:1-10, map (1886)

**86e** [On Edward Hull's memoir on the geological age of the north Atlantic Ocean.] *N Y Ac Sc*, Tr 5:77-79 (1886)

**86f** The Cretaceous flora of North America. *N Y Ac Sc*, Tr 5:133-137 (1886)

**86g** Discusiones acerca del hombre del Peñón. *La Naturaleza* 7:284-285 (1886)

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**87a** The ancestors of the tulip tree. *Torrey Bot Club*, B 14:1-7, il (1887)

**87b** Some recent discoveries of rock salt in western New York. *N Y Ac Sc*, Tr 4:55-57 (1887)

**87c** The fauna and flora of the Trias of New Jersey and the Connecticut Valley. *N Y Ac Sc*, Tr 6:124-128 (1887)

**87d** *Coelosteus*, a new genus of fishes from the Lower Carboniferous limestone of Illinois (*abst*). *N Y Ac Sc*, Tr 6:137-138 (1887)

**87e** A new meteorite from Tennessee. *N Y Ac Sc*, Tr 6:160-161 (1887)

**87f** Description of a new species of *Titanichthys* (*abst*). *N Y Ac Sc*, Tr 6:164-165 (1887)

**87g** Professor Newberry on earthquakes. *Science* 9:91-92 (1887)

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**88c** The future of gold and silver. *Sch Mines Q* 9:97-109 (1888)

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**88e** Geological notes: the origin of the loess; marble deposits of the western United States. *Sch Mines Q* 10:66-72 (1888)

**88f** The Colorado oil fields [Florence oil field]. *Eng M J* 46:498-499 (1888) *Sc Am Sup* 27:10948-10949 (1889)

**88g** On the structure and relations of *Edestus*, with description of a gigantic new species. *N Y Ac Sc*, An 4:113-122, il (1888)

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**88h** Triassic plants from Honduras. *N Y Ac Sc*, Tr 7:113-115 (1888)

**88i** [On the origin of rock-salt deposits.] *N Y Ac Sc*, Tr 7:127-128 (1888)

**88j** Note on a new species of *Rhizodus* from the St. Louis limestone at Alton, Ill. *N Y Ac Sc*, Tr 7:165 (1888)

**88k** On the fossil fishes of the Erie shale of Ohio (*abst*). *N Y Ac Sc*, Tr 7:178-180 (1888)

**88l** The new oil field of Colorado and its bearing on the question of the genesis of petroleum [Florence field]. *N Y Ac Sc*, Tr 8:25-28 (1888)

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**89b** The Laramie group, its geological relations, its economic importance, and its fauna and flora. *N Y Ac Sc*, Tr 9:27-32 (1889) *Abst*, *Am G* 5:118 (1890); (with discussion by E. D. Cope, Angelo Heilprin, J. B. Tyrrell, and L. F. Ward) *G Soc Am*, B 1:524-532 (1890)

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**89d** Devonian plants from Ohio. *Cin Soc N H*, J 12:48-56, il (1889)

**89e** The history of the Great American Lakes (*abst*). *Eng M J* 48:201-202 (1889) *Sc Am Sup* 28:11505-11506 (1889)

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**Newberry, John Strong—Continued.**

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**88i** Geological map of Ohio. Scale, 8 miles to 1 inch. Accompanies Ohio G S, Rp 6 (1888)

**88j** Map of the oil and gas fields of Allen, Auglaize, and Mercer cos., 1888. Scale, 2 miles to 1 inch. Accompanies Ohio G S, Rp 6 (1888) Also in First An Rp (1890)

**88k** Map of the oil and gas fields of Hancock and Wood cos. Scale, 2 miles to 1 inch. Accompanies Ohio G S, Rp 6 (1888) Also in First An Rp (1890)

**88l** Gypsum or land plaster in Ohio. U S G S, Min Res 1887:596-600 (1888)

**88m** The conditions of oil and gas production in northern Ohio and Indiana. Ohio M J 6:29-32 (1888)

**88n** The Trenton limestone as an oil formation. Am G 1:133 (1888)

**89** The Trenton limestone as a source of petroleum and inflammable gas in Ohio and Indiana. U S G S, An Rp 8:475-662, map (1889)

**89a** Review of the westward extension of the Hocking Valley coal field. Ohio M J no 18:7-20 (1889)

**89b** Natural gas. Ohio M J no 18:28-30 (1889) [not seen]



**Orton, Edward—Continued.**

**89c** The discovery of sporocarps in the Ohio shale (*abst*). *Am As, Pr* 37:179-181 (1889)

**89d** The new horizons of oil and gas in the Mississippi Valley (*abst*). *Am As, Pr* 37:181-182 (1889)

**90** First annual report of the Geological Survey of Ohio (Third organization). *x*, 323 pp, maps, Columbus, O., 1890

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**90b** Leo Lesquereux [1806-1889]. *Am G* 5:284-296, port. (1890)

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**91a** On the occurrence of *Megalonyx jeffersoni* in central Ohio (*abst*). *G Soc Am, B* 2:635 (1891)

**92** On the occurrence of a quartz boulder in the Sharon coal of northeastern Ohio. *Am J Sc* (3) 44:62-63 (1892)

**93** Preface [historical, administrative, etc.]. *Ohio G S, Rp* 7:v-xvi (1893)

**93a** Geological scale and geological structure of Ohio. *Ohio G S, Rp* 7:3-44, map (1893)

**93b** The clays of Ohio, their origin, composition, and varieties. *Ohio G S, Rp* 7:45-68 (1893)

**93c** The coal fields of Ohio. *Ohio G S, Rp* 7:255-290 (1893)

**93d** Coal fields of Ohio. Maps showing outcrop boundaries of principal coal seams. Scale, maps 1-9, 2 miles to 1 inch; map 10, 10 miles to 1 inch. Accompany *Ohio G S, Rp* 7 (1893)

**94** Geological surveys of Ohio. *J G* 2:502-516 (1894)

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**96** [Biographical sketch of Prof. J. S. Newberry.] *Ohio M J* no 22:12-18, port (1896)

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**99** The rock waters of Ohio. *U S G S, An Rp* 19 pt 4:633-717 (1899)

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**99b** Geological structure of the Iola gas field [Allen Co., Kans.]. *G Soc Am, B* 10:99-106 (1899) *Abst, Am G* 23:101-102 (1899); *Science n s* 9:138-139 (1899); *Ottawa Nat* 12:197 (1899)

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**92c** Sur la découverte du *Palaeonictis* en Amérique. Soc G France, B (3) 20:434-436, il (1892)

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**92g** *Palaeonictis* in the American lower Eocene. Nature 46:30 (1892)

**93** The rise of the Mammalia in North America. Am J Sc (3) 46:379-392, 448-466, il (1893) Am As, Pr 42:188-227, il (1894)

**93a** *Artionyx*, a new genus of Ancylopoda. Am Mus N H, B 5:1-18, il (1893)



**Osborn, Henry Fairfield—Continued.**

**93b** *Aceratherium tridactylum* from the lower Miocene of Dakota. Am Mus N H, B 5: 85-86 (1893)

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**93e** Recent researches upon the succession of the teeth in mammals. Am Nat 27: 493-508 (1893)

**93f** The collection of fossil mammals in the American Museum of Natural History, N. Y. Science 21: 261 (1893)

**93g** *Artionyx*, a clawed artiodactyl. Nature 47: 610-611, il (1893)

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**94a** A division of the eutherian mammals into Mesoplacentalia and Cenoplacentalia. N Y Ac Sc, Tr 13: 234-237 (1894)

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**95c** Vertebrate paleontology in the American Museum. Science n s 2: 178-179 (1895)

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**97** The Huerfano lake basin, southern Colorado, and its Wind River and Bridger fauna. Am Mus N H, B 9: 247-258 (1897)

**97a** *Lambdaotherium* not related to *Palaeosyops* or the titanotheres. Am Nat 31: 55-57 (1897)

**97b** Wind River and Bridger beds in the Huerfano Lake basin. Am Nat 31: 966-968 (1897)

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**97c** Trituberculy; a review dedicated to the late Professor Cope. Am Nat 31: 993-1016, il (1897)

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**97e** The Ganodontia or primitive edentates with enamelled teeth. Science n s 5: 611-612 (1897)

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**97j** Reconstruction of *Phenacodus primaevus*, the most primitive ungulate (*abst*). Am Nat 31: 980 (1897) Am As, Pr 46: 238 (1898)

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**98b** A complete skeleton of *Teleoceras fossiger*; notes upon the growth and sexual characters of this species. Am Mus N H, B 10: 51-59, il (1898) Science n s 7: 554-557, il (1898)

**98c** A complete skeleton of *Coryphodon radians*; notes upon the locomotion of this animal. Am Mus N H, B 10: 81-91, il (1898)

**98d** Remounted skeleton of *Phenacodus primaevus*; comparison with *Euprotogonia*. Am Mus N H, B 10: 159-164, il (1898)

**98e** Evolution of the Amblypoda; Part I, Taligrađa and Pantodonta. Am Mus N H, B 10: 169-218, il (1898)

**98f** Additional characters of the great herbivorous dinosaur *Camarasaurus*. Am Mus N H, B 10: 219-233, il (1898)

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**98n** On the presence of a frontal horn in *Aceratherium incisivum* Kaup. (*abst*). Science n s 8: 850 (1898)

**98o** Reconstruction and model of *Phenacodus primaevus* Cope (*abst*). Brit As, Rp 67: 684 (1898)

**98p** On skeletons and restorations of Tertiary Mammalia (*abst*). Brit As, Rp 67: 684 (1898)

**98q** The origin of the Mammalia (*abst*). Brit As, Rp 67: 686-687 (1898)

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**99b** The origin of mammals. Int Cong Zool, 4th, Pr: 70-71, 413-419 (1899) Am J Sc (4) 7: 92-96 (1899) *Abst*, Science n s 8: 358 (1898)

**99c** Restoration of extinct vertebrates from the American Museum of Natural History. Int Cong Zool, 4th, Pr: 174 (1899)

**99d** Frontal horn on *Aceratherium incisivum*. Science n s 9: 161-162 (1899)

**99e** Additional characters of *Diplodocus* (*abst*). Science n s 9: 315-316 (1899)

**99f** Upon the structure of *Tylosaurus dyspelor*, including the cartilaginous sternum (*abst*). Science n s 9: 913 (1899)

**99g** A skeleton of *Diplodocus* recently mounted in the American Museum. Science n s 10: 870-874, il (1899)

**00** Fore and hind limbs of carnivorous and herbivorous dinosaurs from the Jurassic of Wyoming. Am Mus N H, B 12: 161-172, il (1900)

**00a** Phylogeny of the rhinoceroses of Europe. Am Mus N H, B 13: 229-267, il (1900)

**00b** *Oxyæna* and *Patriofelis* restudied as terrestrial creodonts. Am Mus N H, B 13: 269-279, il (1900)

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**Osborn, Henry Fairfield—Continued.**

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**01e** The recent progress of vertebrate paleontology in America. Science n s 13: 45-49 (1901)

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**01g** Recent progress in paleontology. Science n s 13: 872-873 (1901)

**01h** Professor Fraas on the aqueous vs. eolian deposition of the White River Oligocene of South Dakota. Science n s 14: 210-212 (1901)

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**02b** American Eocene primates, and the supposed rodent family Mixodectidae. Am Mus N H, B 16: 169-214, il (1902)

**02c** Distinctive characters of the mid-Cretaceous fauna. Can G S, Contr Can Pal 3 pt 2: 5-21 (1902)

**02d** Homoplasy as a law of latent or potential homology. Am Nat 36: 259-271, il (1902)



**Osborn, Henry Fairfield—Continued.**

- 02e** The law of adaptive radiation. *Am Nat* 36: 353-363 (1902)
- 02f** The fossil tree bridge in the Arizona petrified forest. *Science n s* 16: 991 (1902)
- 03** The reptilian subclasses Diapsida and Synapsida and the early history of the Diaptosauria. *Am Mus N H, Mem* 1: 451-507, il (1903)
- 03a** *Ornitholestes hermanni*, a new compseognathoid dinosaur from the upper Jurassic. *Am Mus N H, B* 19: 459-464, il (1903)
- 03b** *Glyptotherium texanum*, a new glyptodont, from the lower Pleistocene of Texas. *Am Mus N H, B* 19: 491-494, il (1903)
- 03c** The skull of *Orcosaurus*. *Am Mus N H, B* 19: 697-701, il (1903)
- 03d** On the age of the Belly River series or formation in Canada. *Ottawa Nat* 16: 227-228 (1903)
- 03e** Evolution of the Proboscidea in North America (*abst*). *Science n s* 17: 249 (1903)
- 03f** On the primary division of the Reptilia into two subclasses, Synapsida and Diapsida. *Science n s* 17: 275-276 (1903)
- 04** An armadillo from the middle Eocene (Bridger) of North America. *Am Mus N H, B* 20: 163-165 (1904)
- 04a** New Oligocene horses. *Am Mus N H, B* 20: 167-179, il (1904)
- 04b** Manus, sacrum, and caudals of Sauropoda. *Am Mus N H, B* 20: 181-190, il (1904)
- 04c** *Teleorhinus browni*, a teleosaur in the Fort Benton. *Am Mus N H, B* 20: 239-240 (1904)
- 04d** New Miocene rhinoceroses with revision of known species. *Am Mus N H, B* 20: 307-326, il (1904)
- 04e** The great Cretaceous fish *Porthetus molossus* Cope. *Am Mus N H, B* 20: 377-381, il (1904)
- 04f** Revised list of casts, models, photographs, and restorations of fossil vertebrates. *Am Mus N H, B* 20 Sup: 52 pp, il (1904)
- 04g** Reclassification of the Reptilia. *Am Nat* 38: 93-115, il (1904)
- 04h** Paleontological evidence for the original tritubercular theory. *Am J Sc* (4) 17: 321-323, il (1904)
- 04i** Recent advances in our knowledge of the evolution of the horse. *Am Ph Soc, Pr* 43: 156-157 (1904)
- 04j** The dinosaurs of the Bone Cabin quarry. *Century Mag* 68: 680-694, il (1904)
- 04k** On the position of the bones of the forearm in the Opisthocœlia or Sauropoda (*abst*). *Science n s* 19: 255-256 (1904)
- 04l** On the use of the sand blast in cleaning fossils (*abst*). *Science n s* 19: 256 (1904)

**Osborn, Henry Fairfield—Continued.**

- 04m** Conclusive paleontological evidence for the tritubercular theory (*abst*). *Science n s* 19: 256 (1904)
- 04n** A reclassification of the Reptilia (*abst*). *Science n s* 19: 256-257 (1904)
- 04o** On the primary components of vertebrae and their relations to ribs (*abst*). *Science n s* 19: 257 (1904)
- 04p** The classification of the Reptilia (*abst*). *Science n s* 19: 307-308 (1904)
- 04q** Recent advances in our knowledge of the evolution of the horse (*abst*). *Science n s* 19: 717 (1904)
- 05** *Tyrannosaurus* and other Cretaceous carnivorous dinosaurs. *Am Mus N H, B* 21: 259-265, il (1905)
- 05a** The evolution of the horse in America. *Century Mag* 69: 3-17, il (1905)
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**06b** Coal resources of the Kenova quadrangle. *U S G S, B* 285:259-268 (1906)

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**13e** Notes on some new and old trilobites in the Victoria Memorial Museum: Canada Geol. Survey, Victoria Mem Mus, B 1: 33-39, il (1913)

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**47a** [On drift phenomena.] *Am J Agr* 6: 217-218 (1847)

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**51c** On the position and character of the reptilian footprints in the Carboniferous red shale formation of eastern Pennsylvania. *Am As*, Pr 4: 250-251 (1851)

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**54b** [On the inclination and thickness of the sandstone of the Connecticut Valley.] *Boston Soc N H*, Pr 4: 379-380 (1854)

**54c** [On the epoch of the mammoth or *Elephas primigenius*.] *Boston Soc N H*, Pr 5: 22-23 (1854)

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**55a** [Footprints and other impressions on Carboniferous red shale of Pennsylvania (with discussion by J. C. Warren, W. B. Rogers, and C. T. Jackson).] *Boston Soc N H*, Pr 5: 182-186 (1855)



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**58b** Conditions of the physical geography attending the production of the Paleozoic strata of the United States. G Pa 2:776-815 (1858)

**58c** Organic remains of the Paleozoic strata of Pennsylvania. G Pa 2:815-836, il (1858)

**58d** On the laws of structure of the more disturbed zones of the earth's crust. G Pa 2:885-916 (1858)

**58e** Classification of the several types of orographic structure visible in the Appalachians and other undulated mountain chains. G Pa 2:917-941 (1858)

**58f** Coal fields of the United States and British provinces. G Pa 2:942-1019, map (1858)

**58g** Geological map of the State of Pennsylvania ... Scale 5 miles to 1 inch. [Pa G S 1858]

**58h** Geological and topographical map of the anthracite fields of Pennsylvania ... [Pa G S] 1858

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**55b** [On Mesozoic rocks in Virginia.] Boston Soc N H, Pr 5:201-202 (1855)

**55c** [On the metamorphic influence of trap rocks on adjacent sedimentary strata in Prince William Co., Va.] Boston Soc N H, Pr 5:202-204 (1855)

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**57d** [On the faults and joints of the slate rocks of Governor's Island in Boston Harbor.] Boston Soc N H, Pr 6:217-218 (1857)

**58** [On anticlinal flexures.] Boston Soc N H, Pr 6:332-333 (1858)

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**59b** [On the age of the rocks of Perry, Me. (with discussion by C. T. Jackson).] Boston Soc N H, Pr 7:86 (1859)

**59c** [On the rate of accumulation of deposits in the South Joggins in Nova Scotia.] Boston Soc N H, Pr 7:168-170 (1859)

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**61g** Notes on the geological structure of western Vermont (*abst*). In Report on the geology of Vermont (Hitchcock) 1:326-327 (1861)

**62** (with Jackson, C. T., and Blake, J. H.) ... the frozen well of Brandon, Vt. Boston Soc N H, Pr 9:72-81 (1862)

**75** On the Newport conglomerate [Mass.]. Boston Soc N H, Pr 18:97-101 (1875)



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**75b** Hotchkiss' geological map of Virginia and West Virginia, the geology by Prof. W. B. Rogers... Scale 24 miles to 1 inch. Richmond 1875 2d ed, 1885

**80** Table of the geological formations found in Virginia and West Virginia. The Virginias 1:14-15 (1880); 3:61 (1882)

**80a** The iron ores of Virginia and West Virginia. The Virginias 1:128-130, 138-140, 152-153, 160-161, 170-171, 174-175, 182-183, 186-188 (1880)

**81** Infusorial stratum and associated Tertiary beds in the vicinity of Richmond, Va. The Virginias 2:58-59 (1881)

**82** The infusorial deposit of Virginia in the Fort Monroe artesian well. The Virginias 3:151-152 (1882) A reprint... on the geology of the Virginias: 733-736, N Y 1884

**82a** The fossils of formation No. III in Virginia. The Virginias 3:175 (1882)

**82b** Notes on the geology of the Virginias. The Virginias 3:190 (1882); 4:12-13, 38-39, 59-61, 71-72, 88-90 (1883)

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**65b** Geological map of Kentucky... Scale 1 in=16 miles. Cincinnati 1865

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**51b** [Meteorites from Linn Co., Iowa, and Waterloo, Seneca Co., N. Y.] *Am As, Pr* 4:331-335 (1851)

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**79** On the Estherville, Emmet Co., Iowa, meteorite of May 10, 1879. *Am J Sc* (3) 18:186-188 (1879)

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**81a** On a new meteoric iron of unknown locality in the Smithsonian institution. *Am J Sc* (3) 22:119 (1881)

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**83** On meteoric iron from near Dalton, Whitfield Co., Ga. *Am J Sc* (3) 26:336-338 (1883)

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**85a** On the meteorite of Formatlán, Jalisco, Mex. *Am J Sc* (3) 30:105-108 (1885)

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**84** Systematic mineral record, with a synopsis of terms and chemical reactions used in describing minerals. 98 pp, N Y 1884

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**05a** [Underground waters of] Missouri. U S G S, W-S P 114: 209-219, map (1905)

**05b** The New Madrid earthquake. J G 13: 45-62, map (1905)

**05c** Key to the rocks and geological horizons of Greene Co. [Mo.]. Drury Coll, Bradley G Field Sta, B 1: 53-57 (1905)

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**78a** Section of Devonian rocks made in the Catskill Mountain at Palenville, Katerskill Creek, N. Y. Am Ph Soc, Pr 17: 346-349 (1878)

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**16** The Ordovician-Silurian boundary. *Ohio J Sc* 16:329-335 (1916) *Abst, Science n s* 43:396 (1917)

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**53b** (and **Brush**, G. J.) Danburite, a silicoborate of lime. *An Sc*, *Cleveland*, 1:251-252 (1853)



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- 69c** On the lesleyite of Chester Co., Pa... *Am J Sc* (2) 48:254-255 (1869)

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- 75c** Rapport sur la chute de deux pierres météoriques dans les États-Unis. *Ac Sc Paris, C R* 80:1451-1454 (1875)
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**76d** Two new minerals. *Ac N Sc Phila, Pr* 1876:87

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**07b** The gray iron ores of Talladega Co., Ala. *U S G S, B* 315:161-184 (1907)

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**13a** Relationship of the Great Lake basins to the Niagara limestone. *G Soc Am*, B 24: 229-232, map (1913)

**13b** Relationship between terrestrial gravity and observed earth movements of eastern America. *Am J Sc* (4) 35: 561-573, map (1913)

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**78** General geological map of Colorado. Surveyed in 1873-6. Scale 12 miles to 1 inch. n d [1878] [Also in Atlas of Colorado]

**79** Economic map of portions of Wyoming, Idaho, and Utah. Scale 8 miles to 1 inch. April 1879. [Also in 12th An Rp]

**83** [Geologic map of] part of central Wyoming. Surveyed in 1877. Scale 4 miles to 1 inch. n d [1883?] [Also in 12th An Rp]

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**83a** [Geologic map of] parts of western Wyoming and southeastern Idaho. Scale 4 miles to 1 inch. n d [1883?] [Also in 12th An Rp]

**83b** [Geologic map of] parts of western Wyoming, southeastern Idaho, and northeastern Utah. Surveyed in 1877. Scale 4 miles to 1 inch. n d [1883?] [Also in 12th An Rp]

**83c** Geological map of portions of Wyoming, Idaho, and Utah. Scale 8 miles to 1 inch. n d [1883?] [Also in 12th An Rp]

**83d** Preliminary geological map of the Yellowstone National Park. Surveyed in 1878. Scale 2 miles to 1 inch. n d [1883?] [Also in 12th An Rp]

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**83j** On the *Macrocheilus* of Phillips, *Plectostylus* of Conrad, and *Soleniscus* of Meek and Worthen. U S Nat Mus, Pr 6:184-187, il (1883)

**83k** A review of the nonmarine fossil Mollusca of North America. U S G S, An Rp 3:403-550, il (1883)

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**83n** On the existence of a deposit in northeastern Montana and northwestern Dakota that is possibly equivalent with the Green River group. Am J Sc (3) 25:411-414 (1883)

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**87c** On new generic forms of Cretaceous Mollusca and their relation to other forms. Ac N Sc Phila, Pr 1887:32-37, il

**87d** On the Cretaceous formations of Texas and their relation to those of other portions of North America. Ac N Sc Phila, Pr 1887:39-47

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**93** The relation of biology to geological investigation. Smiths Inst, An Rp 1892, Rp U S Nat Mus:245-368 (1893)

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**91b** Descriptions of four new species of fossils from the Silurian rocks of the south-eastern portion of the district of Saskatchewan. *Can Rec Sc* 4:293-303, il (1891)

**91c** Note on the occurrence of paucispiral opercula of Gastropoda in the Guelph formation of Ontario. *Can Rec Sc* 4:404-407, il (1891)

**91d** Description of a new species of *Panenka* from the Corniferous limestone of Ontario. *Can Rec Sc* 4:401-404, il (1891)

**92** The fossils of the Devonian rocks of the islands, shores, or immediate vicinity of Lakes Manitoba and Winnipegosis. *Can G S*, Contr Pal 1:255-359, il (1892)

**92a** The Orthoceratidae of the Trenton limestone of the Winnipeg basin. *R Soc Can*, Pr Tr 9, iv:77-90, il (1892)

**92b** Description of a new genus and species of phyllocarid Crustacea from the middle Cambrian of Mount Stephen, B. C. *Can Rec Sc* 5:205-208, il (1892)

**93** Notes on the *Ammonites* of the Cretaceous rocks of the district of Athabasca, with descriptions of four new species. *R Soc Can*, Pr Tr 10, iv:111-121, il (1893)

**93a** Notes on the Gastropoda of the Trenton limestone of Manitoba, with a description of one new species. *Can Rec Sc* 5:317-328, il (1893)

**93b** Descriptions of two new species of *Ammonites* from the Cretaceous rocks of the Queen Charlotte Islands. *Can Rec Sc* 5:441-446, il (1893)

**94** The Cretaceous system in Canada. *R Soc Can*, Pr Tr 11, iv:3-19 (1894)

**94a** Note on the recent discovery of large *Unio*-like shells in the Coal Measures at the South Joggins, N. S. *R Soc Can*, Pr Tr 11, iv:21-24, il (1894)

**95** Revision of the fauna of the Guelph formation of Ontario, with descriptions of a few new species. *Can G S*, Paleozoic Foss 3:45-109, il (1895)

**95a** Systematic list, with references, of the fossils of the Hudson River or Cincinnati formation at Stony Mountain, Manitoba. *Can G S*, Paleozoic Foss 3:111-128 (1895)

**95b** Notes on some of the Cretaceous fossils collected during Captain Palliser's explorations in British North America in 1857-60. *R Soc Can*, Pr Tr (2) 1, iv:101-117, il (1895)

**95c** On some fossils from the Nanaimo group of the Vancouver Cretaceous. *R Soc Can*, Pr Tr (2) 1, iv:119-133, il (1895)

**95d** Notes on some fossils from the Cretaceous rocks of British Columbia with descriptions of two species that appear to be new. *Can Rec Sc* 6:313-318, il (1895)



**Whiteaves, Joseph Frederick—Contd.**

**96** Descriptions of eight new species of fossils from the (Galena) Trenton limestones of Lake Winnipeg and the Red River valley. *Can Rec Sc* 6:387-397 (1896)

**96a** Canadian stromatoporoids. *Can Rec Sc* 7:129-146 (1896)

**97** The fossils of the Galena-Trenton and Black River formations of Lake Winnipeg and its vicinity. *Can G S, Paleozoic Foss* 3:129-242, il (1897)

**97a** Description of a new genus and species of cystideans from the Trenton limestone at Ottawa [Ont.]. *Can Rec Sc* 7:287-292, 395-396, il (1897)

**98** On some additional or imperfectly understood fossils from the Hamilton formation of Ontario, with a revised list of the species therefrom. *Can G S, Contr Can Pal* 1:361-418, il (1898)

**98a** Revision of the nomenclature of some of the species described or enumerated in previous parts of this volume, and additional notes on others, necessitated by the progress of paleontological researches. *Can G S, Contr Can Pal* 1:419-427 (1898)

**98b** On some remains of a sepia-like cuttle-fish from the Cretaceous rocks of the South Saskatchewan. *Can Rec Sc* 7:459-461, il (1898)

**98c** Note on a fish tooth from the upper Arisaig series of Nova Scotia. *Can Rec Sc* 7:461-462, il (1898) *Abst, Brit As, Rp* 67:656-657 (1898)

**98d** On some fossil Cephalopoda in the museum of the Geological Survey of Canada, with descriptions of eight species that appear to be new. *Ottawa Nat* 12:116-127 (1898)

**99** The Devonian system in Canada. *Am As, Pr* 48:193-223 (1899) *Am G* 24:210-240 (1899) *Science n s* 10:402-412, 430-438 (1899) *Abst, Can Rec Sc* 8:195-198 (1900)

**99a** Recent discovery of rocks of the age of the Trenton formation at Akpatok Island, Ungava Bay, Ungava. *Am J Sc* (4) 7:433-434 (1899)

**00** On some additional or imperfectly understood fossils from the Cretaceous rocks of the Queen Charlotte Islands, with a revised list of the species from those rocks. *Can G S, Mesozoic Foss* 1:263-307, il (1900)

**01** Description of a new species of *Unio* from the Cretaceous rocks of the Nanaimo field, V[ancouver] I[sland]. *Ottawa Nat* 14:177-179, il (1901)

**01a** Note on a supposed new species of *Lytoceras* from the Cretaceous rocks at Denman Island, in the Strait of Georgia. *Ottawa Nat* 15:31-32 (1901)

**02** On the genus *Panenka* Barrande, with a description of a second species of that genus from the Devonian rocks of Ontario. *Ottawa Nat* 15:263-265, il (1902)

**Whiteaves, Joseph Frederick—Contd.**

**02a** On the genus *Trimerella*, with descriptions of two supposed new species of that genus from the Silurian rocks of Keewatin. *Ottawa Nat* 16:139-143, il (1902)

**03** On some additional fossils from the Vancouver Cretaceous, with a revised list of the species therefrom. *Can G S, Mesozoic Foss* 1:309-415, il (1903)

**03a** Description of a fossil *Cyrena* from Alberta. *Ottawa Nat* 16:231-233, il (1903)

**03b** Crania of extinct bisons from the Klondike Creek gravels. *Ottawa Nat* 16:240-241 (1903)

**03c** Description of a new species of *Matheria* (*M. brevis*) from the Trenton limestone at Ottawa. *Ottawa Nat* 17:32-34, il (1903) *G Mag* (4) 10:358-359, il (1903)

**03d** Description of a species of *Cardioceras* from the Crows Nest coal fields. *Ottawa Nat* 17:65-67, il (1903)

**03e** Notes on some Canadian specimens of "*Lituities undatus*." *Ottawa Nat* 17:117-122 (1903)

**03f** Additional notes on some Canadian specimens of "*Lituities undatus*." *Ottawa Nat* 17:161-163 (1903)

**04** Preliminary list of fossils from the Silurian (Upper Silurian) rocks of the Ekwan River, and Sutton Mill lakes, Keewatin ... with descriptions of such species as appear to be new. *Can G S, An Rp* 14:38-59 (1904)

**04a** The Canadian species of *Trocholites*. *Ottawa Nat* 18:13-18 (1904)

**04b** Description of a new genus and species of rugose corals from the Silurian rocks of Manitoba. *Ottawa Nat* 18:113-114 (1904)

**04c** *Uintacrinus* and *Hemiaster* in the Vancouver Cretaceous. *Am J Sc* (4) 18:287-289 (1904)

**05** Notes on the apical end of the siphuncle in some Canadian Endoceratidae, with descriptions of two supposed new species of *Nanno*. *Am G* 35:23-30, 324, il (1905)

**06** The fossils of the Silurian (Upper Silurian) rocks of Keewatin, Manitoba, the northeastern shore of Lake Winnipegosis, and the lower Saskatchewan River. *Can G S, Pal Foss* 3:243-298, il (1906)

**06a** The Canadian species of *Plectoceras* and *Barrandeoceras*. *Can G S, Pal Foss* 3:299-312, il (1906)

**06b** Illustrations of seven species of fossils from the Cambrian, Cambro-Silurian, and Devonian rocks of Canada. *Can G S, Pal Foss* 3:313-325, il (1906)

**06c** Revised list of the fossils of the Guelph formation of Ontario. *Can G S, Pal Foss* 3:327-340 (1906)



**Whiteaves, Joseph Frederick—Contd.**

**06d** Paleozoic fossils; Appendix; Errata et corrigenda. Can G S, Pal Foss 3: 341-345 (1906)

**06e** Notes on *Cyrtoceras cuneatum*. Ottawa Nat 20: 133-134, il (1906)

**07** Illustrations of the fossil fishes of the Devonian rocks of Canada; Part III. Supplementary notes. R Soc Can, Pr Tr (3) 1 iv: 245-275, il (1907)

**07a** Description of a Canadian species of *Peltoceras*. Ottawa Nat 21: 80-82, il (1907)

**08** Notes on the Pelecypoda or bivalve Mollusca of the Chazy formation in Canada, with descriptions of one new genus and four new species from the Chazy sandstone at the Hog's Back, near Ottawa [Ont.]. Ottawa Nat 22: 105-115, il (1908)

**09** Description of a new species of ammonite, of the genus *Stepheoceras*, from some rocks of presumably Jurassic age in the Nicola Valley, B. C. Ottawa Nat 23: 21-23, il (1909)

**09a** Notes on some fossils from the Cambro-Silurian and Silurian rocks of the Albany River drainage system in northwestern Ontario. Can G S, Report on a portion of Algoma and Thunder Bay districts, Ontario, by W. J. Wilson: 34-41 (1909)

**10** Preliminary list of fossils from the supposed Utica or Lorraine shales at St. Bruno Mountain, Chambly County, Quebec, collected by J. A. Dresser and R. Harvie, jr., in 1905. Can G S, Mem 7: 24-28 (1910)

See also Matthew (G 1), 86

**Whitehead, Cabell.**

**00** (with Chatard, T. M.) An examination of the ores of the Republic gold mine, Wash. Am I M Eng, Tr 30: 419-423 (1901) Eng M J 69: 497-498 (1900)

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**14** (with Lindgren, W.) A deposit of jamesonite near Zimapan, Mexico. Ec G 9: 435-462 (1914)

**16** The paragenesis of certain sulphur intergrowths. Ec G 11: 1-13 (1916)

**17** Notes on the technique of mineralogy. Ec G 12: 697-716 (1917)

**Whitehill, Henry R.**

**73** Biennial report of the State mineralogist of the State of Nevada for the years 1871 and 1872. 191 pp, Carson City 1873; ... for 1873 and 1874: 191 pp, Carson City 1875; ... for 1875 and 1876: 226 pp [Carson City 1877]; ... for 1877 and 1878: 212 pp, San Francisco 1879

**Whiteside, F. W.**

**12** The Trinidad district in Colorado. Coal Age 1: 632-635 (1912)

**12a** Central coal fields in Colorado. Coal Age 2: 2-5 (1912)

**Whiteside, F. W.—Continued.**

**12b** Coal measures of the Front Range of the Rocky Mountains in Colorado. Colo, Univ, J Eng no 8: 50-55 (1912)

**17** Yampa coal field in Colorado. Coal Age 11: 654-657 (1917)

**Whitfield, James Edward.**

**87** On the Johnson Co., Ark., and Allen Co., Ky., meteorites. Am J Sc (3) 33: 500-501 (1887)

**87a** Analyses of some natural borates and borosilicates. Am J Sc (3) 34: 281-287 (1887)

**87b** The Rockwood meteorite [Tenn.]. Am J Sc (3) 34: 387-390 (1887)

**88** (and Merrill, G. P.) The Fayette Co., Tex., meteorite. Am J Sc (3) 36: 113-119 (1888)

**88a** (with Gooch, F. A.) Analyses of waters of the Yellowstone National Park. U S G S, B 47: 84 pp (1888)

**89** A new meteorite from Mexico. Am J Sc (3) 37: 439-440 (1889)

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**62** (with White, C. A.) Observations upon the rocks of the Mississippi Valley which have been referred to the Chemung group of New York, together with descriptions of new species of fossils from the same horizon at Burlington, Iowa. Boston Soc N H, Pr 8: 289-306 (1862)

**65** Descriptions of new species of Eocene fossils. Am J Conch 1: 259-268, il (1865)

**67** Observations on the internal appendages of the genus *Atrypa*. N Y St Cab, An Rp 20: 141-144 (1867)

**72** (with Hall, J.) Description of new species of fossils from the vicinity of Louisville, Ky., and the Falls of the Ohio. N Y St Mus, An Rp 24: 181-200 (1872)

**72a** (with Hall, J.) Remarks on some peculiar impressions in sandstone of the Chemung group, N. Y. N Y St Mus, An Rp 24: 201-204, il (1872)

**73** (with Hall, J.) Descriptions of new species of fossils from the Devonian rocks of Iowa. N Y St Cab, An Rp 23: 223-239 (1873)

**73a** (with Hall, J.) Notice of three new species of fossil shells from the Devonian of Ohio. N Y St Cab, An Rp 23: 240-241 (1873)

**73b** (with Hall, J.) Notice of two new species of fossil shells from the Potsdam sandstone of New York. N Y St Cab, An Rp 23: 241-242 (1873)

**75** Descriptions of new fossils. In Ludlow, William, Report of a reconnaissance of the Black Hills of Dakota...: 103-104, il, Washington 1875 Also in U S, Chief Eng, An Rp 1875 pt 2: 1202-1203, il (1875)

**75a** Fossils from the black slate formations of southern Indiana and adjacent portions of Kentucky. Ind G S, An Rp 6: 179-182 (1875)



**Whitfield, Robert Parr—Continued.**

**75b** (with **Hall, J.**) Descriptions of invertebrate fossils, mainly from the Silurian system. Ohio G S, Rp 2 pt 2 Paleontology: 65-157, ill (1875)

**75c** (with **Hall, J.**) Crinoids of the Genesee slate and Chemung group. Ohio G S, Rp 2 pt 2 Paleontology: 158-161, il (1875)

**75d** (with **Hall, J.**) Crinoidea of the Waverly group. Ohio G S, Rp 2 pt 2 Paleontology: 162-179, il (1875)

**76** Descriptions of new species of fossils. In Ludlow, Wm., Report of a reconnaissance ... to the Yellowstone National Park: 126-131, il, Washington 1876 Also in U S [War Dp], Chief Eng, An Rp 1876 (U S, 44th Cong 2d sess, H Ex Doc 1 pt 2 v 2 pt 3) App NN: 694-699, il (1876)

**77** Preliminary report on the paleontology of the Black Hills, containing descriptions of new species of fossils from the Potsdam, Jurassic, and Cretaceous formations of the Black Hills of Dakota. U S Geog G S Rocky Mtn Reg (Powell): 49 pp, Washington 1877

**77a** (with **Hall, J.**) Paleontology. U S G Expl 40th Par (King), 4: 197-302, il (1877)

**78** Preliminary descriptions of new species of fossils from the lower geological formations of Wisconsin. Wis G S, An Rp 1877: 50-89 (1878)

**78a** Remarks on some lamellibranchiate shells of the Hudson River group with descriptions of four new species. Cin Soc N H, J 1: 137-141, il (1878)

**79** Discovery of specimens of *Maclurea magna*, of the Chazy, in the Barnegat limestone near Newburg, N. Y. Am J Sc (3) 18: 227 (1879)

**80** Paleontology of the Black Hills of Dakota. In Newton, Henry, and Jenney, Walter P., Report on the geology and resources of the Black Hills of Dakota (U S Geog G S Rocky Mtn Reg): 325-468, il (1880)

**80a** Descriptions of new species of fossils from the Paleozoic formations of Wisconsin. Wis G S, An Rp 1879: 44-71 (1880)

**80b** Notice of new forms of fossil crustaceans from the upper Devonian rocks of Ohio, with descriptions of new genera and species. Am J Sc (3) 19: 33-42, il (1880)

**80c** On the occurrence of true *Lingula* in the Trenton limestones. Am J Sc (3) 19: 472-475, il (1880)

**80d** Notice of the occurrence of rocks representing the Marcellus shale of New York, in central Ohio. Am As, Pr 28: 297-299 (1880)

**81** Description of a new species of crinoid from the Burlington limestone, at Burlington, Iowa. Am Mus N H, B 1: 7-9, il (1881)

**Whitfield, Robert Parr—Continued.**

**81a** Remarks on *Dictyophyton*, and descriptions of new species of allied forms from the Keokuk beds, at Crawfordsville, Ind. Am Mus N H, B 1: 10-20, il (1881)

**81b** Observations on the purposes of the embryonic sheaths of *Endoceras*, and their bearing on the origin of the siphon in the Orthocerata. Am Mus N H, B 1: 20-28, il (1881)

**81c** Notice of a new genus and species of air-breathing mollusk from the Coal Measures of Ohio, and observations on *Dawsonella*. Am J Sc (3) 21: 125-128, il (1881)

**81d** Observations on the structure of *Dictyophyton* and its affinities with certain sponges. Am J Sc (3) 22: 53-54 (1881)

**81e** On the nature of *Dictyophyton*. Am J Sc (3) 22: 132 (1881)

**82** On the fauna of the Lower Carboniferous limestones of Spargen Hill, Ind... Am Mus N H, B 1: 39-97, il (1882)

**82a** Paleontology. [Wis G S], G Wis 4: 161-363, il (1882)

**82b** Descriptions of new species of fossils from Ohio, with remarks on some of the geological formations in which they occur. N Y Ac Sc, An 2: 193-244 (1882)

**83** List of Wisconsin fossils. [Wis G S], G Wis 1: 362-375 (1883)

**83a** Observations on the fossils of the metamorphic rocks of Bernardston, Mass.; with note by J. D. Dana. Am J Sc (3) 25: 368-369 (1883)

**84** Notice of some new species of Primordial fossils in the collections of the Museum, and corrections of previously described species. Am Mus N H, B 1: 139-154, il (1884)

**85** Brachiopoda and Lamellibranchiata of the Raritan clays and greensand marls of New Jersey. N J G S, Pal 1: xx, 338 pp, map, il (1886) U S G S, Mon 9: xx, 338 pp, map il (1885)

**85a** On a fossil scorpion from the Silurian rocks of America. An Mus N H, B 1: 181-190, il (1885)

**85b** Notice of a new cephalopod from the Niagara rocks of Indiana. Am Mus N H, B 1: 191-192, il (1885)

**85c** Notice of a very large species of *Homalonotus* from the Oriskany sandstone formation. Am Mus N H, B 1: 193-195, il (1885)

**85d** An American Silurian scorpion [*Palaeophonos osborni*] Science 6: 87-88, il (1885)

**85e** (with **Pohlman, J.**) An American Silurian scorpion. Science 6: 183-184, il (1885)

**86** Notice of geological investigations along the eastern shores of Lake Champlain ... with descriptions of the new fossils discovered. Am Mus N H, B 1: 293-345, map, il (1886)



**Whitfield, Robert Parr—Continued.**

**86a** Notice of a new fossil body, probably a sponge related to *Dictyophyton*. Am Mus N H, B 1: 346-348, il (1886)

**86b** Remarks on the fossils [from central Montana] in the following lists. U S, 10th Census 15: 712-718 (1886)

**86c** Professor Thorell and the American Silurian scorpion. Science 7: 216-217 (1886)

**86d** ...molluscan fossils of the New Jersey marl beds... (*abst*). Am As, Pr 35: 215 (1887) Am J Sc (3) 32: 320-321 (1886)

**87** New Jersey Cretaceous. Am Nat 21: 66-69 (1887)

**88** Evidence confirmatory of *Mastodon obscurus* Leidy, as an American species. Am As, Pr 36: 252-253 (1888)

**89** Observations on some imperfectly known fossils from the Calciferous sand-rock of Lake Champlain, and descriptions of several new forms. Am Mus N H, B 2: 41-63, il (1889)

**89a** Additional notes on *Asaphus canalis*, Conrad. Am Mus N H, B 2: 64-65 (1889)

**89b** Description of a new form of fossil balanoid cirripede from the Marcellus shale of New York. Am Mus N H, B 2: 66-68 (1889)

**89c** Note on the faunal resemblance between the Cretaceous formations of New Jersey, and those of the Gulf States. Am Mus N H, B 2: 113-116 (1889)

**90** Observations on the fauna of the rocks at Fort Cassin, Vt., with descriptions of a few new species. Am Mus N H, B 3: 25-39, il (1890)

**90a** Observations on a fossil fish from the Eocene beds of Wyoming. Am Mus N H, B 3: 117-120 (1890)

**90b** Description of a new genus of inarticulate brachiopodous shell [*Lingulodiscina*]. Am Mus N H, B 3: 121-122, il (1890)

**90c** The Fort Cassin rocks and their fauna. G Soc Am, B 1: 514-515 (1890)

**91** Contributions to invertebrate paleontology [of Ohio]. N Y Ac Sc, An 5: 505-620, il (1891) Ohio G S, Rp 7: 407-494, il (1893)

**91a** The common edible crab found fossil in the Hudson River tunnel. Science 18: 300 (1891)

**91b** Mastodon remains on New York Island. Science 18: 342 (1891)

**92** Gastropoda and Cephalopoda of the Raritan clays and greensand marls of New Jersey. N J G S, Pal 2: 402 pp, il (1892) U S G S, Mon 18: 402 pp, il (1892)

**92a** Visitor's guide to the geological and paleontological collections in the American Museum of Natural History. 68 pp, N Y 1892 [not seen]

**Whitfield, Robert Parr—Continued.**

**92b** Discovery of a second example of the macrouran decapod crustacean *Palaeopalaeomon newberryi*. Am G 9: 237-238 (1892)

**93** Republication of descriptions of Lower Carboniferous Crinoidea from the Hall collection... Am Mus N H, Mem 1: 1-37, il (1893)

**93a** Notice of new Cretaceous fossils from the lower green marls of New Jersey. Nautilus 7: 37-39, 51-52, il (1893)

**94** Mollusca and Crustacea of the Miocene formations of New Jersey. U S G S, Mon 24: 195 pp, il (1894)

**94a** On new forms of marine algae from the Trenton limestone, with observations on *Buthograptus laxus* Hall. Am Mus N H, B 6: 351-358, il (1894)

**95** Republication of descriptions of fossils from the Hall collection... Am Mus N H, Mem 1: 39-74, il (1895)

**96** Description of a new genus of fossil brachiopod from the Lower Helderberg limestones. Am Mus N H, B 8: 231-232, il (1896)

**96a** Notice and description of new species and a new genus of Phyllocaridae. Am Mus N H, B 8: 299-304, il (1896)

**97** Note on the hypostome of *Lichas (Terataspis) grandis* Hall. Am Mus N H, B 9: 45-46, il (1897)

**97a** Descriptions of new species of Silurian fossils from near Fort Cassin [Vt.] and elsewhere on Lake Champlain. Am Mus N H, B 9: 177-184, il (1897)

**97b** Descriptions of species of Rudistae from the Cretaceous rocks of Jamaica, W. I. Am Mus N H, B 9: 185-196, il (1897)

**97c** Observations on the genus *Barrettia* Woodward, with descriptions of two new species. Am Mus N H, B 9: 233-246, il (1897) *Abst*, Science n s 6: 690 (1897)

**98** (assisted by Hovey, E. O.) Catalogue of the type and figured specimens in the paleontological collection of the geological department, American Museum of Natural History. Am Mus N H, B 11: 500 pp (1898-1901)

**99** List of fossils, types and figured specimens used in the paleontological work of R. P. Whitfield, showing where they are probably to be found at the present time. N Y Ac Sc, An 12: 139-186 (1899)

**00** Observations on some "mud flow" markings on rocks from near Albany, N. Y. Am Mus N H, B 12: 183-187 (1900)

**00a** Observations on and descriptions of Arctic fossils. Am Mus N H, B 13: 19-22, il (1900)

**00b** Description of a new crinoid from Indiana. Am Mus N H, B 13: 23-24, il (1900)

**00c** Note on the principal type specimen of *Mosasaurus maximus* Cope. Am Mus N H, B 13: 25-29, il (1900)



**Whitfield, Robert Parr—Continued.**

**01** Note on a very fine example of *Heteroceras stevensoni* preserving the outer chamber. Am Mus N H, B 14:219, il (1901)

**02** Description of a new form of *Myalina* from the Coal Measures of Texas. Am Mus N H, B 16:63-66, il (1902)

**02a** Observations on and emended description of *Heteroceras simplicostatum* Whitfield. Am Mus N H, B 16:67-72, il (1902) *Abst*, Science n s 15:469 (1902)

**02b** Description of a new teredo-like shell from the Laramie group. Am Mus N H, B 16:73-76, il (1902) *Abst*, Science n s 15:469 (1902)

**02c** Notice of a new genus of marine algae, fossil in the Niagara shale. Am Mus N H, B 16:399-400, il (1902)

**03** Notice of six new species of unios from the Laramie group. Am Mus N H, B 19:483-487, il (1903)

**03a** Observations on a remarkable specimen of *Halysites* and description of a new species of the genus. Am Mus N H, B 19:489-490, il (1903)

**04** Notice of a new genus and species of Lower Carboniferous bryozoan [*Dictyoretmon burlingtonense*]. Am Mus N H, B 20:469, il (1904)

**04a** Notice of a remarkable case of reproduction of lost parts shown on a fossil crinoid. Am Mus N H, B 20:471-472, il (1904)

**04b** Note on some worm (?) burrows in rocks of the Chemung group of New York. Am Mus N H, B 20:473-474, il (1904)

**05** Notice of a new crinoid and a new mollusk from the Portage rocks of New York. Am Mus N H, B 21:17-20, il (1905)

**05a** Descriptions of new fossil sponges from the Hamilton group of Indiana. Am Mus N H, B 21:297-300, il (1905)

**05b** Notice of a new species of *Fasciolaria* from the Eocene green marls at Shark River, N. J. Am Mus N H, B 21:301-303, il (1905)

**06** (and Hovey, E. O.) Remarks on and descriptions of [invertebrate] Jurassic fossils of the Black Hills. Am Mus N H, B 22:389-402, il (1906)

**07** Notice of an American species of the genus *Hoploparia* McCoy, from the Cretaceous of Montana. Am Mus N H, B 23:459-461, il (1907)

**07a** Remarks on and descriptions of new fossil Unionidæ from the Laramie clays of Montana. Am Mus N H, B 23:623-628, il (1907)

**08** Notes and observations on Carboniferous fossils and semifossil shells brought home by members of the Peary expedition of 1905-1906. Am Mus N H, B 24:51-58, il (1908)

See also Booth, 83; Smith (E A), 88a

**Whitford, A. C.**

**14** On a new fossil fungus from the Nebraska Pliocene. Nebr Univ Studies 14:181-183, il (1914)

**16** Some plant cuticles from the Graneros shale [Jefferson Co., Nebr.]. Nebr G S 7:77-82, il (1916)

**16a** A description of two new fossil fungi. Nebr G S 7:85-92, il (1916)

**16b** Preserved epidermis from the Carboniferous of Nebraska. Nebr G S 7:93-101, il (1916)

**Whiting, Henry.**

**38** Cursory remarks upon east Florida in 1838. Am J Sc 35:47-64 (1838)

**Whitlock, Herbert Percy.**

**02** Guide to the mineralogic collections of the New York State Museum. N Y St Mus, B 58:3-147 (1902)

**03** List of New York mineral localities. N Y St Mus, B 70:108 pp (1903)

**05** Contributions from the mineralogic laboratory. N Y St Mus, B 98:36 pp (1905)

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**83a** Clay pebbles from Princeton, Minn. (*abst*). Am As, Pr 32:238 (1884) Science 2:324 (1883)

**84** Historical sketch of explorations and surveys in Minnesota; The general physical features of Minnesota; The building stones of Minnesota. Minn G S, Final Rp 1:1-203 (1884)

**84a** The geology of Houston Co.; ... Winona Co.; ... Fillmore Co.; ... Mower Co.; ... Freeborn Co.; ... Pipestone and Rock cos.; ... Rice Co. Minn G S, Final Rp 1:207-324, 347-366, 376-393, 533-561, 648-673, maps (1884)

**84b** The mineralogy of Minnesota. Minn G S, An Rp 11:5-29 (1884) Minn Ac N Sc B 2:390-416 (1885)

**84c** Note on the age of the rocks of the Mesabi and Vermilion iron districts. Minn G S, An Rp 11:168-170 (1884)

**84d** The comparative strength of Minnesota and New England granites. Minn G S, An Rp 12:14-18 (1884) *Abst*, Am As, Pr 32:249-250 (1884); Science 2:324-325 (1883)

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**84f** The salt well at Humboldt, Minn. (*abst*). Am As, Pr 33:399-400 (1885) Science 4:325 (1884)

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**85e** Notes on the artesian wells at Mendota, Hastings, Red Wing, Lake City, and Brownsville, and on the deep wells at St. Paul. Minn G S, An Rp 13:55-64 (1885)

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**85f** Fossils from the red quartzite at Pipestone. Minn G S, An Rp 13:65-72, il (1885)

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**85i** Note on the sandstones of Taquamenon Bay, Lake Superior. Am J Sc (3) 29:339-340 (1885)

**86** Notes on some deep wells in Minnesota. Minn G S, An Rp 14:11-16, 348-353 (1886)

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**86b** Revision of the stratigraphy of the Cambrian in Minnesota. Minn G S, An Rp 14:325-337 (1886)

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**87a** Notes on classification and nomenclature for the American committee of the International Geological Congress, March, 1887. Am Nat 21:693-700 (1887)

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**88a** The geology of Wabasha Co.; ... Goodhue Co.; ... Dakota Co.; ... Hennepin Co.; ... Ramsey Co.; ... Washington Co. Minn G S, Final Rp 2:1-101, 264-398, maps (1888)

**88b** Report [on field work in northeastern Minnesota]. Minn G S, An Rp 16:13-129 (1888)

**88c** The Animikie black slates and quartzites, and the Ogishke conglomerate of Minnesota, the equivalent of the "original Huronian." Am G 1:11-14 (1888)

**88d** Irving and Chamberlin on the Lake Superior sandstones. Am G 1:44-57 (1888)

**88e** Some objections to the term Taconic considered. Am G 1:162-172 (1888)

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**88h** The granite and quartzite contact at the Aurora mine, Gogebic iron range, at Ironwood, Mich. (*abst*). Am As, Pr 36:211 (1888)

**89** The history of geological surveys in Minnesota. Minn G S, B 1:37 (1889)



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**96d** (and **Grant, U. S.**) Volcanic ash from the north shore of Lake Superior. Am G 18:211-213 (1896)

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28737°—23—74

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